WPB Gives Views on Postwar Production—Page 3


# Oil, Paint and Drug Reporter

*The Chemical Market Authority Since 1871*

ABC

Volume 145 No. 11 — Schnell Publishing Company, Inc., Publishers — March 13, 1944


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*Founded 1871 by William O. Allison*

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**No. 11** **March 13, 1944** **Volume 145**


## FTC Regulation Of Discounts Urged

*OPD Washington Bureau*

A proposal to broaden the scope of the Robinson-Patman act to give the Federal Trade Commission authority to regulate all business discounts was made to the senate committee on banking and currency March 7 by W. T. Kelley, chief counsel for FTC, at hearings on a bill to abolish manufacturer-controlled retail tire outlets.

Mr. Kelley told the committee that the proposal was his own solution for the discount problem in the distribution field and had not been considered or endorsed by the commission. Following the hearing the commission was asked by the committee to express its views on the proposal, at least insofar as the advisability of employing some such action in the retail tire field as a protection for independent dealers.

Mr. Kelley's suggested amendment to the Robinson-Patman act was as follows:—

Whenever the Federal Trade Commission has reason to believe that differentials in price among purchasers of commodities in any industry are unjustly discriminatory or promotive of monopoly it may, on notice and after hearing of interested parties, consider the costs of manufacture, sale, or delivery resulting from differing quantities sold and differing methods employed in the sale and distribution of a particular commodity or class of commodities, and if, after consideration of all pertinent and relevant factors, it finds and concludes that such differentials in price make or give any undue preference or advantage to any person or persons or are unjustly discriminatory and subject any person or

*—Continued on page 58*

## War Plants Severance Pay Ruling Made

*OPD Washington Bureau*

A war plant which gives severance pay to employes entering the armed services is entitled to government reimbursement for the funds as "items of cost under a cost reimbursement contract," Controller General Linsay C. Warren has declared.

In a ruling requested by Rear Admiral Emory S. Land, Chairman of the Maritime Commission, Mr. Warren held that military severance payments made by the New England Shipbuilding Corporation are reimbursable. Mr. Warren said:—

Under the circumstances it is apparent the contractor had no choice in the matter but to pay its employes the compensation stipulated by the collective bargaining agreement in order to secure the labor necessary for performance of its contracts.

The clause at issue provided five days' pay at an employe's regular rate, plus any accumulated vacation pay, upon entering the armed services after three months or more employment. The National War Labor Board approved the contract.

## Plant Construction Blank Authorizations Revoked

*OPD Washington Bureau*

Blanket authorizations, which have been used to permit owners of substantial industrial and commercial establishments to carry on miscellaneous routine construction during a fixed period, will no longer be issued generally, the War Production Board has announced in direction 3 to Conservation Order L-41.

Such blanket authorizations will be issued hereafter only in cases where the filing of individual project applications would interfere with the war effort or cause extreme hardship to the applicant.

No job for which tax amortization privileges are requested may be included in a blanket application. A separate application is to be filed for each such job at the time the request for tax amortization is made.

## DCAT Pay Tribute To War Effort

As a wartime tribute to the drug, chemical and allied industries for their outstanding performance in the war effort and to the military, naval and public health services which have so ably directed these achievements, the Drug, Chemical and Allied Trades Section of the New York Board of Trade, Inc., dedicated its nineteenth annual dinner held in the Waldorf-Astoria, March 9.

This occasion, the largest annual dinner of its kind on record, was restricted by wartime conditions to an attendance of close to 2,200 members of the drug and chemical industries from all parts of the country.

E. T. T. Williams of Becton, Dickinson & Co., chairman of the Drug, Chemical and Allied Trades Section, served as toastmaster. The speakers were:—Surgeon General Thomas Parran, United States Public Health Service; Major General William N. Porter, Chief, Chemical Warfare Serv-

*—Continued on page 53*

## DuPont Co. Acquires Texas Shipyard

*OPD Washington Bureau*

E. I. du Pont de Nemours & Co., Wilmington, has purchased the San Jacinto shipyard at Houston, Texas, from the Maritime Commission, and plant to adapt the plant to the manufacture of phenothiazine, according to the commission March 9. The price paid for the project was $200,000, the commission said, which was substantially in excess of the value placed upon the property by an independent appraiser retained by the government.

The San Jacinto yard comprises approximately 40 acres, together with buildings and other facilities. It was built for the purpose of constructing concrete barges under the emergency building program. The contract between the San Jacinto Shipbuilders, Inc., and the government was terminated on December 31, 1943.

## Liquid Fuels Pilot Plant Bill in Conference

*OPD Washington Bureau*

The O'Mahoney-Randolph bill (S. 1243) authorizing an appropriation of $30,000,000 for the construction of demonstration plants by the Bureau of Mines for the production of liquid fuels from coal, oil shale and other substances was sent to conference with the house by the senate March 3.

The chief difference between the senate and house on the measure is an amendment made to the bill on the house floor directing the bureau to also carry on work in the demonstration plants of making liquid fuels from agricultural and forestry products.

Appointed to represent the senate in the conference were Senators Joseph O'Mahoney of Wyoming, Abe Murdock of Utah and Chan Gurney of South Dakota.

## Trade Misrepresentation Bill Passes N. Y. Senate

*Albany, March 7, 1944*

The senate has passed by a vote of 30 to 10 and sent to the assembly the Mahoney bill which provides for outlawing the tactics of discount merchants who advertise standard goods at cut or wholesale rates, then pretend to be out of the advertised items and sell inferior substitutes to customers.

The bill prohibits misrepresentation of the nature of any business and requires that a person who sells at both wholesale and retail to so identify himself in all advertising and other media. It further bars "untrue, deceptive or misleading statements" in advertising.

# WPB Opposes Preferences For New Civilian Producers

*OPD Washington Bureau*

The War Production Board has settled on a policy of denying materials and component parts to "new" firms seeking to enter production of civilian goods until old, established firms are in position to resume production of their former products and have received their just allocations. This was disclosed March 9 by WPB Chairman Donald M. Nelson in a letter to Senator Francis Maloney of Connecticut.

In a more detailed expose of present policies of WPB on relaxation of controls over production of civilian goods than has heretofore been given formally by the chairman, Mr. Nelson also said that it is the intention of the board to permit the expansion of civilian output only where there is no interference with the overall war program, and he expressed the belief that it will be necessary to continue controls for some time to come.

It is the view of Mr. Nelson that the collapse of Germany will enable the return of a large part of our resources to peacetime production, but recognition should not be lost of the fact that the period of reconversion is still a considerable distance away, and now, as in 1942, every group interest that does not coincide with the national interest has to be submerged. He said that it is against the national interest for business concerns to begin jockeying for competitive postwar positions, because the nation cannot now afford to have the minds which run American business swing away from urgent war problems to postwar markets, anymore than it can afford to have workers leave war jobs for jobs in civilian industry.

### War Production Is First

In a speech earlier in the week before a meeting of industrialists, advertising and radio executives, and publishers, Mr. Nelson said:—

Efforts to beat the gun on the return to civilian business will be unavailing. Their only result will be to slow up war production. No business concern needs to become agitated now about its position on the unknown day when Germany will surrender.

The question of the treatment that will be accorded WPB to "newcomers" in the production of civilian goods was raised by Senator Maloney. It brought this answer from Mr. Nelson:—

If the government were to attempt to prevent new competition there would clearly be grave danger of shackling the country with a regimented economy for a long while to come. Such action would require detailed planning of all production by a government group—a development which I would strenuously oppose. In my judgment, it is all-important to maintain a competitive economy. I do not believe you can have a democracy and at the same time forbid new competition. It has been my objective from the very start to confine detailed economic planning to wartime production of military and civilian essentials. If, with the return of peace, we were to start out with the policy of planning our peacetime economy in detail, as we would have to do in order to prevent new competition, we would do irreparable injury to the free enterprise system in the United States.

It is my view that controls should be relaxed whenever they cease to be necessary to war production. However, the need for controls is obviously going to continue for some time. Even in the case of material which is in good supply

*—Continued on page 51*

## Service Engineering Formed by H. B. Bishop

Service Engineering Company has been organized by Howard B. Bishop to provide management services and, in some cases, finance in the development of new products and processes in the chemical and chemical engineering field. It will have a main office in Summit, N. J., and New York office at 52 Vanderbilt avenue.

*—Continued from page 37*

Underwood & Underwood

**Howard B. Bishop**

## Lavoisier Memorial Dinner March 31

A joint meeting of the American Section of the Society of Chemical Industry and the New York Section of the American Chemical Society in commemoration of Lavoisier, "Father of Modern Chemistry," will be held at the Hotel Commodore, March 31, at 8:15 p.m. Dr. Foster Dee Snell, chairman of the American Section, will preside. Prof. Leon Lortie, associate professor of inorganic chemistry at the University of Montreal, who has made a lifelong study of Lavoisier will address the meeting on "The Life of Lavoisier." Lammot du Pont, chairman of the board of directors of E. I. du Pont de Nemours & Company, will speak on the subject "Lavoisier, An Estimate." An informal dinner will precede the meeting at 6:45 p.m. in the East Ballroom of the Hotel Commodore. Reservations for the dinner, $3.00 per plate, must be made in advance through P. E. Rollhaus, of the General Aniline & Film Corporation, 230 Park Avenue.

## Packaging Conference In Chicago March 28

Packaging and packing requirements for shipping to the armed forces overseas will be explained by a panel of Army and Navy officers at the American Management Association's annual packaging conference, scheduled for March 28-39 at the Palmer house, Chicago. The conference will be held in conjunction with the association's fourteenth annual packaging exposition, March 28-31.

## Chemical Engineers To Hear Donald Keyes

Dr. Donald B. Keyes, chief of the Chemical Industries Branch of the Office of Production Research and Development of the War Jroduction Board, will discuss the present system for exchange of technical information between Great Britain and the United States at a joint meeting of the New York Section of the American Institute of Chemical Engineers and the Junior Chemical Engineers of New York, at the Hotel George Washington, March 23.

# Price-Control Extension Gets Hearing March 15

*OPD Washington Bureau*

Hearings on legislation to extend the price-control and stabilization law for another year from June 30 next will be held by the senate committee on banking and currency beginning March 15. Announcing the hearing, Senator Robert Wagner of New York, chairman of the committee, said March 10 following a conference with Price Administrator Chester Bowles and other OPA officials that tentative plans are to continue the hearings until April 7, and that every effort will be made to get the bill enacted before the law's expiration date.

Farm bloc members of both the senate and the house hope to use the bill as a vehicle for ending the food subsidy program, and indications are that fights impend also on amendments for court review of price orders and revision of standards for price-control.

## *Obituaries*

### Carl O. Barnes

Carl O. Barnes, treasurer of Barada & Page, Inc., agricultural and industrial chemicals, Kansas City, died March 3 in that city. He was fifty-three years of age. Born in Canton, Ill., Mr. Barnes was employed by Barada & Page since June, 1927, having been elected treasurer of the company in December, 1927. Surviving are his wife, a daughter, a son and a sister.

### Dr. James Brodbeck

Dr. James Brodbeck, president and board chairman of the Society of Chemical Industry in Basle and the first president of Ciba Pharmaceutical Products, died February 20 in Gstaad, Switzerland. He was sixty-two years old.

Dr. Brodbeck became associated with the Swiss Ciba organization in 1906, after graduating in law. He became general manager in 1918 and was elected president and chairman of the board in 1928.

Mrs. Brodbeck survives her husband, and a son, J. J. Brodbeck, is president of Ciba Pharmaceutical Products, Inc., Summit, N. J.

### Samuel W. Coons

Samuel W. Coons, former president of the Standard Oil Company of Kentucky, died in his home in Jacksonville, Fla., March 2. He was eighty-eight years of age.

Mr. Coons became president of the Standard Oil Company of Kentucky in 1920, and served until 1927, when he

—*Continued on page 41*

## *OPD Price Index*

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals and related materials is currently as follows:—

| Mar. 10, 1944 | Mar. 3, 1944 | Mar. 12, 1943 |
|---|---|---|
| **137.9** | **137.9** | **135.3** |

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

The price trend was predominantly downward last week in the markets for chemicals, oils, and drugs. It was, however, confined largely to items of minor importance, and the less numerous advances were sufficient to reduce its influence on the general price level to a less than recordable degree. A reduction of the price of penicillin was noteworthy, although not of particular economic importance.

The movement of materials into civilian goods channels was all that it could be under the variety of circumstances applying in such quarters. In spite of political talk and industrial desires, the general unprejudiced expectation was that civilian production was not due for an early boost. Men, rather than materials, are recognized as the controlling factor.

### *Coke By-Products Output*

Estimates of by-product coke-oven operations in the week ended March 4 indicate the following outputs of by-product from that source:—

| | | |
|---|---|---|
| Ammonia sulphate | lbs. | 40,033,000 |
| Benzol | gals. | 3,929,250 |
| Coaltar | gals. | 15,336,750 |
| Creosote oil | gals. | 811,200 |
| Naphthalene | lbs. | 1,711,125 |
| Phenol | lbs. | 228,150 |
| Toluol | gals. | 785,850 |
| Xylol | gals. | 177,450 |

## Chemurgic Conference In St. Louis March 29

The tenth annual chemurgic conference of Agriculture, Industry and Science will be held in the Hotel Statler, St. Louis, Mo., March 29 to 31. The tentative program follows:—

### Wednesday, March 29

"The Chemurgic Prophecy and Its Fulfillment," L. J. Taber, of the Farmers & Traders Life Insurance Company, Syracuse, N. Y.

"The Regional Research Laboratories," Dr. H. T. Herrick, director, Northern Regional Research Laboratory, Peoria, Ill.

"Post-War Planning and Chemurgy," Chester C. Davis, Federal Reserve Bank of St. Louis, St. Louis, Mo.

"Rubber Progress Report," John L. Collyer, B. F. Goodrich Company, Akron, Ohio.

"Fibrous Plastic Materials," W. E. Parsons, Keyes Fibre Company, Waterville, Me.

"Relationship of Ethylcellulose to Farm and Victory," Robert Haines, Dow Chemical Company, St. Louis, Mo.

"Laminated Papers," P. W. Griffith, American Cyanamid & Chemical Corporation, Axusa, Calif.

"Plastics in Postwar Period," J. H. DuBois, General Electric Company, Pittsfield, Mass.

"Plastic Plywood," Thomas D. Perry, Resinous Products & Chemical Company, Philadelphia, Pa.

### Thursday, March 30

"Fibers from Cellulose," Dr. W. E. Coughlin, Celanese Corporation of America, New York.

—*Continued on page 56*

## Anhydrous Ammonia Price in Tanks Reduced

The ammonia department of E. I. duPont de Nemours & Co., Inc., Wilmington, has announced the following price schedule on anhydrous ammonia and ammoniacal liquor in tankcars effective March 13, 1944.

Anhydrous Ammonia. — Commercial grade (minimum 99.5 percent $NH_3$) $59 per ton of 2,000 pounds in seller's tankcars.

Refrigeration grade (minimum 99.95 percent $NH_3$) $69 per ton of 2,000 pounds in sellers tankcars. Above prices are f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., Niagara Falls, N. Y., and Wyandotte, Mich. For the present, and until further notice, freight will also be equalized with Morgantown, W. Va., Military, Kan., Buckeye, Ohio, W. Henderson, Ky., and Eldorado, Ark.

Ammoniacal liquor (minimum 29.4 percent $NH_3$) $65 per ton of 2,000 pounds of $NH_3$ in seller's tankcars, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., Niagara Falls, N. Y., Wyandotte, Mich., Chicago, Ill., and Detroit, Mich.

## Containers Available At War Production Board

*OPD Washington Bureau*

The War Production Board's redistribution division has available:—

**Cans**

28,649 cans, 3 in. dia. by 6 in. high, 1 pint.

93,884 cans, 5⅛ in. dia. by 4½ in. high, 1 quart.

70,000 cans, 6 3-16 in. dia. by 7 in. high, 2 quart MRS-10-2371.

All above 90 pound terne plate—lithographed—used for packing dry photo chemicals with covers.

**Drums—Fiber—New**

10,563—5½ gal. solid fiberboard, 14½ in. high by 11¼ in. dia. by 12 in. thick with overlap covers. MRS-10-2372.

1,000 20-gal solid fiberboard—used once and cleaned. 26¾ in. high by 15 in. dia. O. D. MRS-10-2373.

## Antifreeze Quota Set For Next Winter

The War Production Board announced March 10 that it had informed its Antifreeze Industry Advisory Committee that the allocation for antifreezes next winter would be 52,700,000 gallons.

Members of the committee agreed with a WPB proposal that 2 percent of this year's production be kept uncommitted as a reserve pool until after January 1. This will make supplies available to WPB officials for use in relieving emergency situations, under the powers created by a recent amendment to the antifreeze limitation order.

## Naval Stores Output For Oct.-Dec. Reported

Production of gum and wood turpentine in the United States in the period October-December, 1943-44, amounted to 129,724 barrels of 50 gallons each, compared with 136,558 barrels in the same period last year, according to Naval Stores Research Division of the Department of Agriculture. Production of gum and wood rosin totaled 448,009 barrels of 500 pounds, against 531,566 barrels in the corresponding year.

**Supply and Distribution**

| | Turpentine Oct.-Dec., 1943 | Rosin Oct.-Dec., 1943 |
|---|---|---|
| | Barrels of 50 gals. | Barrels of 500 lbs. gr. |
| Carryover Oct. 1[1] | 315,283 | 1,398,688 |
| Production[2] | 129,724 | 448,009 |
| Available supply | 445,011 | 1,846,697 |
| Less carryover Dec. 31[3] | 323,034 | 1,216,780 |
| Apparent total consumption | 121,977 | 629,908 |

**Production**

| | Turpentine | Rosin |
|---|---|---|
| Gum | 75,131 | 254,923 |
| Wood | 54,593 | 193,086 |

**Location of Carryover Stocks**

| | Turpentine | Rosin |
|---|---|---|
| Gum stills[2] | 24,910 | 118,929 |
| So. concen. points[1] | 232,217 | 633,640 |
| Wood plants[2] | 16,537 | 81,786 |
| Distributing points[4] | 33,333 | 23,829 |
| Industrial plants[5] | 16,037 | 358,606 |
| Total in United States | 323,034 | 1,216,780 |

**Consumption by Industries**

| | Turpentine Barrels of 50 gals. | Rosin Barrels of 500 pounds |
|---|---|---|
| Abattoirs | ..... | 189 |
| Adhesives and plastics | 92 | 6,589 |
| Asphaltic products | ..... | 634 |
| Automobiles and wagons | 69 | 44 |
| Chemicals and pharmaceuticals | 30,569 | 49,857 |
| Ester gum and synthetic resins[6] | 3,840 | 50,470 |
| Foundries and foundry supplies | 150 | 5,688 |
| Furniture | 48 | 2 |
| Insecticides and disinfectants | 93 | 1,360 |
| Linoleum and floor coverings | 8 | 4,704 |
| Matches | ..... | 416 |
| Oils and greases | 17 | 9,809 |
| Paint, varnish and lacquer | 6,195 | 43,036 |
| Paper and paper size | ..... | 118,801 |
| Printing ink | 51 | 5,327 |
| Railroads and shipyards | 2,856 | 2,589 |
| Rubber | 32 | 2,398 |
| Shoe polish and shoe materials | 3,666 | 3,130 |
| Soap | ..... | 109,080 |
| Other industries | 46 | 2,788 |
| Total industrial reported | 47,732 | 417,172 |

[1] Irrespective of ownership. Some of the turpentine may have been sold and may be awaiting shipment.

[2] Compiled from reports by producers and factors.

[3] Does not include by-products resulting from making paler grades from FF wood rosin.

[4] Official Board of Trade and Chamber of Commerce Reports.

[5] Compiled from reports of individual distributors.

[6] Compiled from reports of individual consumers.

## Cement Hauling Schedule Suspended by WPB

The provisions of general haulage conservation order T-1 governing movements of portland cement (schedule 1) have been suspended, the War Production Board announced March 10. A task committee of the cement industry has been appointed to explore means of effecting voluntary savings in crosshauling which will be comparable to the savings which were effected under the schedule.

## Arabic Gum Turns Easier in Britain

*LONDON, Mar. 10, 1944*

Ergot prices have been advanced to 6s. 3d. per pound. Gum arabic is easier at 80s. per hundredweight. Carnauba wax is quoted at 420s. per hundredweight.

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## *Table of Contents*

### *News and Statistics*


American Viscose DPC Plant..... 41
Anhyd. Ammonia Price Reduced..... 4
Anhyd. Hydrofluoric Shipment Revised ..... 5
Antifreeze Distribution Control..... 5
Antifreeze Quota Set..... 4
Arabic Gum Easier in Britain..... 4
Bart-Messing Salts Agencies..... 45
Belgian Congo Quinine Commission... 7
Bennett in Navy..... 58
Benzoates Treatise Ready..... 51
Bisbee Advanced..... 38
Celanese Chemical Corp. Formed..... 37
Chain Stores Ass'n to Meet..... 38
Chemical Eng. to Hear Keyes..... 3
Chemurgic Conference March 29.... 4
Chrystal Studies Corn Syrup Price... 51
Consultants Directory Revised..... 60
Containers Available at WPB..... 4
Containerboard Control Tightened.... 38
Costa Rica Business Ownership..... 37
Craig Quits PAW..... 45
DCAT War Effort Tribute..... 3
Dow Denies German Cartel Link..... 7
Drug Wholesalers Retail Sale Ban.... 38
DuPont Gets Texas Shipyard..... 3
DuPont Perth Amboy Plants Gets "E" Star ..... 38
Ethyl Alcohol Rentals Redefined..... 5
Fats, Oils Output, Consumpt: Jan.... 47
FDA Interprets Phenol Rule..... 7
Felt Drug Co. Sold..... 51
Fisher Chemical Formed..... 37
'Freon-12' Plant to Be Built..... 53
FTC Discount Regulation Urged..... 3
Galvanizers Meeting in St. Louis..... 60
Highberger Gets Purple Heart..... 64
Indust. Equipment Rating Revised.... 5
Kelly Gets Price Post..... 5
Kobuta's Synth. Rubber Largest..... 60
La. Standard Oil DPC Contract..... 59
Lab. Priority Rating Clarified..... 5
Lavoisier Memorial Dinner..... 3
Lechner Locates in Chicago..... 64
Liquid Fuels Pilot Plant Bill..... 3
Magnesium Regulations Changed..... 35
Milk Sugar Replaced in NF Preps.... 38
Mo. Drug Chemical Ass'n Elects..... 7
National Wax to Change Name..... 60
N.P.C. Gets Medical Care Data..... 7
N.W.D.A. to Meet in Chicago..... 7
N| Y. Chemists Institute to Meet..... 37
N. Y. Paint Club Nominating Group.. 45
ODT Offshore Rules Clarified..... 5
Oil Trades Ass'n Re-elects..... 60
OPA Names Fuel Rationing Chief..... 5
Packaging Conference in Chicago..... 3
Paint, Varnish, Lacq. Sales: Jan.... 42
Paraffin Export License Rule..... 5
Pet. Products Set Bayway Mark..... 59
Plant Construction Permit Revoked.. 3
Plastic, Water Paint Sales: Jan..... 45
Price Control Hearing Mar. 15..... 4
Propyleneglycol Offered by Dow..... 58
Pyrethrum Group Formed by OPA... 7
Rotenone Group Named..... 7
Service Engineering Formed..... 3
Simon Retiring from Heyden..... 7
Textile Chemists to Meet..... 41
Thompson Heads Warner Co..... 7
Trade Bill Passes in N. Y..... 3
War Plants Pay Ruling Made..... 3
Witco to Sell Continental Blacks..... 45
WPB Opposes New Producers..... 3


### *General Features*


Bids Wanted..... 4
Corporation Earnings..... 41
Current Market Quotations..... 9
Editorials ..... 32
Imports ..... 64
Obituaries ..... 4
OPD Price Index ..... 4
Scientific, Professional Services..... 60


### *Market Reports*


Botanical Drugs, Spices, Gums..... 55
Coaltar Chemicals..... 40
Drugs and Fine Chemicals..... 49
Essential Oils, Other Aromatics..... 57
Fertilizer Materials..... 61
Heavy Chemicals..... 35
Oils, Fats and Waxes..... 46
Petroleum Derivatives..... 58
Protective Coatings Materials..... 42
Textile, Leather Chemicals..... 39


## Bids Wanted

**Alcohol**:—54 wine gallons, Purchasing Agent, District Government, Washington (4); schedule 5549, opening March 13.

**Drug and Chemicals**:—Supplies of, Procurement Division, Veterans Administration, Washington (25); invitation 359, opening March 17.

**Fertilizer, Commercial**:—16 tons, Chief Clerk, Justice-Prisons, Federal Correctional Institution, Milan, Mich.; invitation 16-2594, opening March 13.

**Glue**:—20,000 pounds, Purchasing Agent, Government Printing Office, Washington (25); opening March 16.

**Glycerin**:—15,000 pounds, Procurement Division, Veterans Administration, Washington (25); invitation 373, opening March 14.

**Insecticide, Liquid**:—200 gallons, Business Manager, Justice-Bureau of Prisons, Medical Center for Federal Prisoners, Springfield, Mo.; invitation 17-960, opening March 17.

**Magnesium Sulphate**:—1,500 5-pound containers, Procurement Division, Veterans Administration, Washington (25), invitation 365, opening March 14.

**Oil of Turpentine**:—60 gallons, Procurement Division, Veterans Administration, Washington (25); invitation 366, opening March 14.

**Soda Ash**:—1,500 pounds, Chief Clerk, Department of Justice, Federal Reformatory, Chillicothe, Ohio; Invitation 5-1803, opening March 14.

## Contracts Awarded

**Carnauba Wax**:—40,000 pounds awarded to National Wax Refining Company, Brooklyn, by the Navy Department at 73c. per pound.

## Ethyl Alcohol Costs Rentals Redefined

Producers who lease plants to manufacture ethyl alcohol and high wines for the Defense Supplies Corporation may not charge to production costs rentals in excess of the amount that would be charged as an expense on account of depreciation, taxes, and the like if they owned the property, the Office of Price Administration announced March 9, through amendment No. 3 to order No. 108.

When original provisions of the regulations establishing maximum prices for the products were drawn up, it was thought the producers were the owners of the production facilities. Since the chemicals are priced on a cost-plus basis, an allowance for profit was made to recognize invested capital, the risk of such capital and the reward for management services.

The new action also provides that property installed by the producer on leased land or in leased buildings will be depreciated at the same rate as if installed on the producer's own land or in his own buildings. Under some leases the property installed may be removed by the lessee at the termination of the lease. Under other leases, property installed by the lessee belongs to the lessor at the end of the lease. In such cases, if the term of the lease is less than the life of the property, the unexpended value of the property turned over to the owner of the premises is in effect an addition to the rental payment.

## Laboratories Priority Rating System Clarified

Conditions under which priority assistance is given to laboratories has been clarified by the War Production Board through issuance of Preference Rating Order P-43 as amended. The definition of "laboratory" now specifies that any person who carries on scientific or technological investigation, testing, development or experimentation in his business is considered to operate a laboratory in buying material for these purposes, even though he does not have a separate department or organization in his company or institution for such activities.

Priority ratings assigned by the order may be used to get materials for development of products designed primarily for future civilian markets only if such activities will be carried on without diverting any manpower, technical skill, or facilities from war work. Laboratories that have been assigned serial numbers by WPB may not use their AA-1 preference rating for activities connected with future civilian markets.

## Antifreeze Distribution Control Set Up by WPB

Antifreeze distribution controls which will give its Chemicals Bureau power to direct the flow of alcohol antifreezes into various sections of the country have been established by the War Production Board. The move reflects the experiences of last Winter when miners in the Rockies and essential war workers in other extremely cold areas were unable to obtain sufficient antifreeze to protect their cars, officials explained.

Under the amendment to the antifreeze limitation order No. L-51, the WPB is given the power to issue special directives concerning the distribution or delivery of antifreezes produced under WPB quotas.

## OPA Fuel Rationing Chief Appointed

A. R. Whitman, formerly deputy director of the Office of War Information in charge of that agency's information programs including gasoline and fuel oil, has joined the staff of the Office of Price Administration. Mr. Whitman will succeed Joel Dean as director of the OPA Fuel Rationing Division.

### Kelly Gets Price Post

William F. Kelly has been made price executive of the Machinery Branch of the Office of Price Administration. He succeeds Thomas J. Kinsella, Albany, N. Y. Mr. Kelly previous to joining OPA in November, 1942, was with the Pennsylvania Company, Philadelphia, for seven years.

# Washington Talks It Over

## Observations • Prognostications • Developments

*By OPD Observer*

There has been much undercover agitation by industry groups for a "place" at the peacetable when it comes time for settling the affairs of the war and revamping Europe and Asia. All indications are, however, that such pleadings are being turned down. Official Washington is of the view that economic questions are to be dealt with only in general terms at the peace conference and the problem of working out details of trade programs are to come later.

Present intentions of officials are to make as much use as possible of the authority contained in the reciprocal trade agreements act to negotiate a lowering of tariffs and keep international trade in a more fluid condition. The temporary eclipse of many free markets and restriction of international trade to essential commodities have largely nullified the many trade agreements entered into by this government during the 'thirties, and the changed industrial and economic conditions resulting from the war will necessitate a realignment of world tariff barriers.

Upon the administration then in power, as a result of next November's elections, depends how widespread will be the use made of the trade agreements act, but few people believe that, even if the Republcans gain control of the White House and Congress, the nation again will go back to the predepression era of high tariff walls. The trade agreements still in effect will be renegotiated and possibly extended to other areas.

### Paint Containers Scarce

No letup in the shortage of containers for the paint industry is in sight yet, and it is still imperative that, not only this industry but other industries as well do what they can to assure the reuse of containers until they are no longer good for anything except salvage.

One place where the shortage is being felt to a great extent is in containers for replacement oil, and particularly in the smaller sizes or 5 gallons or less. OPA has just taken steps to help the industry to recover some of these containers by permitting retailers to require a deposit of 25 cents on containers of 1 to 5-gallon capacity, where the retailer supplies the container himself and fills it on his premises.

Although 25 cents is a rather large deposit to place on containers of such small sizes it was set purposely by OPA to give greater assurances of the return of containers. Any lower figure probably would not bring the container back and the retailer would, in effect, be receiving an increased price for his product.

### Shackling Price-Control

An indication of the trend that the fight over price-control is taking in Congress is gained from a bill (S. 1742) recently introduced by Senator Kenneth McKellar of Tennessee. Mr. McKellar, who lines up more often than not with the farm bloc, has started a move to do a little dental work in the direction of dulling some of the act's teeth. His bill, for instance, would do this:—

Abolish the Emergency Court of Appeals completely and turn the jurisdiction of passing on the validity of the acts of the Price Administrator over to the district courts.

Repeal the provision of the law which says that a judgment of the court that sets aside an order of the administrator can't become effective for thirty days or, if appealed to the supreme court, is automatically stayed until the supreme court acts.

Finally, the provision that permits consumers to sue for $50 or treble the amount of overcharges, whichever is greater, is amended to provide that in any event no such action shall be brought for an amount over $200.

### Manpower Extremes

The War Manpower Commission has set up a central review committee to pass on draft deferment requests of pre-Pearl Harbor fathers in the government, and from the way the committee has been acting, it is very doubtful whether there will be any workers in the up-to-thirty-eight-draft-age left in the government—even among the top officials.

War Production Board officials received the shocking news that out of 24 requests for deferments of its workers only seven were granted by the committee. Among those who have been turned down are such key officials in the WPB as Vice-Chairman J. A. Krug, who heads up the requirements committee and presides over the quarterly distribution of the materials pie, and E. A. Locke, jr., confidential assistant to WPB Chairman Nelson.

The reason for the committee's drastic action can be traced back to a few months ago when there was a considerable storm in Washington over the great numbers of government workers escaping the draft. The pendulum has now swung to the other extreme and another storm is brewing because of the shortsightedness of WMC.

### Margarin Fight Goes On

The fight between margarin manufacturers and the embuttered farmers wasn't by any means ended when Congress refused to take off the special taxes on oleomargarin and give recognition to the fact that the product isn't unwholesome after all and can be eaten with complete safety by the populace. The margarin people have come up with another bill (S. 1744) to repeal the taxes and at the same time amend the food, drug and cosmetic act so that the product can be labeled "margarin" instead of "oleomargarin."

"Cotton Ed" Smith, the blustering anti-New Dealer, chairman of the senate agricultural committee, is sponsoring the bill and has had it referred to his committee where he says it will receive "proper" consideration—meaning that it isn't going to be bottled up if he has anything to do with it. Mr. Smith has also gone a step farther and written into the bill all the arguments as to why it should be enacted and how the present restrictions are working against the public interest. He calls them "legislative findings"—a new wrinkle in lawmaking.

### Construction Boarded Up

WPB believes that the recent leveling out in the long series of declines in dollar volume of construction will continue for the duration. While month-to-month declines have ranged as high as 14 percent, the rate is expected to be much smaller in the immediate future.

The bottleneck in the construction picture is lumber, and it is because of the shortage of lumber that WPB must continue its restrictions on construction. Officials pointed out that it may be possible to release all kinds of metal and other building materials, but a way hasn't been found yet to do any constructing without the use of lumber.

That situation has to be corrected before the trend of construction can start upward again.

### Localizing Public Works

At the moment it looks as though municipalities will not have to rely on Federal aid for their public works activities, either for current planning or actual construction funds later. Their credit situation is so much stronger than at any time in the last twenty-five years that they can now undertake to blueprint their postponed public projects.

The situation surrounding their short-term obligation is particularly favorable, tax collections are good and municipal bond prices are satisfactory, says the chamber of commerce, and it is urging Congress to make it clear to the country that it expects city, county, and State governments to finance their own ordinary local public works instead of running to the Federal treasury for the money.

## ODT Offshore Rules Clarified

*OPD Washington Bureau*

The Office of Defense Transportation announced today the reissuance of General Order ODT 16, which governs the transportation of shipments under ODT permits, into United States ports for offshore movement to points outside the continental United States.

The new order, general order ODT 16A, effective March 15, will supersede general order ODT 16, as amended, and incorporates the provisions of general order ODT 38A, which established permit requirements for certain carload and truck load shipments of export freight from points in the United States to or through the Dominion of Canada.

ODT officials said the new order was issued to clarify certain language used in the original order and to modify the order to incorporate practices which have been adopted since it was originally promulgated on July 10, 1942.

The new order continues in effect permit requirements with respect to the transportation of:—

1. Carload and truckload shipments of overseas freight to or within named port areas in the continental United

*—Continued on page 59*

## Industrial Equipment Rating Revised by WPB

A new minimum preference rating of AA-5 or better, designed to curtail distribution, has been established for twenty-two classes of industrial equipment, the War Production Board has announced. Previous requirement had been A-1-c or better. The classes of industrial equipment affected by the change in rating requirements, now covered by this amendment to limitation order L-123, are:—

Air filters.
Air washers.
Arc welding machines.
Baling presses.
Compressors.
Ceramic machinery and equipment.
Concrete products machinery
Dust collectors, industrial.
Dynamometers (electric type) and rotary converters.
Electric motors and generators (fractional horsepower).
Fans, blowers and exhausters.
Flexible metallic hose, tubing and fittings.
Heat exchangers.
High pressure blowers.
Lifting magnets.
Oil filtering and re-refining machines.
Ovens, industrial; drying, curing and finish-baking types.
Paper shredders.
Pressure vessels (including air receivers).
Pumps.
Stationary steam engines.
Wire working machinery.

## Anhyd. Hydrofluoric Shipment Rule Revised

*OPD Washington Bureau*

Regulations of the Interstate Commerce Commission on transportation of explosives have been amended to permit the shipment of anhydrous hydrofluoric acid in containers of 110 pounds capacity from freight stocks. The amended regulations also permit the shipment of liquefied gas insectide in containers of 300 pounds capacity. Another change adds the words "and lacquer" to section 113 (f) permitting shipments of paint and varnish in 1-gallon capacity containers with fiberboard bodies and metal ends.

## Paraffin Wax Export License Rule Tightened

*OPD Washington Bureau*

Paraffin wax, either refined or unrefined, may no longer be exported under general license when the net value of a single shipment exceeds $1, it was announced by the Foreign Economic Administration March 6.

The tightened export restriction, which became effective March 5, does not, however, apply to shipments which were on dock, on lighter, laden aboard the exporting carrier, or in transit to ports of exit pursuant to actual orders for export, not to shipments moving to a vessel subsequent to the effective date under ODT permits issued prior to the effective date.

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Telephone: Cherry 2694

DETROIT
1900 E. Jefferson Ave.
Telephone: Fitzroy 2414

NEW ORLEANS
P. O. Box 1530
Telephone: Uptown 0027

NEW YORK
17 East 42nd Street
Telephone: Vanderbilt 6-1600

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Telephone—Bell: Rittenhouse 5931-32
Keystone: Race 7633

ST. LOUIS
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Telephone: Chestnut 9656

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110 Sutter Street
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William McGill
311 East Falls Avenue

DALLAS, TEX.
Roy A. Ribelin Distributing Co.
1100 Cadiz St.

DENVER, COLO.
Chemical Sales Company
1125 Seventh Avenue

GRAND RAPIDS, MICH.
Krekel-Goetz Sales & Supply Co.
302-303 Houseman Bldg.

KANSAS CITY, MO.
John T. Kennedy Sales Co.
Southwest Blvd. and 26th St.

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Pitts & Loughlin
718 East 60th Street

LOUISVILLE, KY.
Thomas H. Gillespey
1278 Bassett Avenue

PORTLAND, ORE.
Van Waters & Rogers
2133 N. W. York St.

ST. PAUL, MINN.
Worum Chemical Company
794 Hampden Avenue

SEATTLE, WASH.
Van Waters & Rogers, Inc.
4000 First Ave., South

SPOKANE, WASH.
Van Waters & Rogers, Inc.
809 Washington Street

WINSTON-SALEM, N. C.
Milton B. Cash
110 Reynolds Bldg.

## Dow Denies Link With German Cartel

Vigorously attacking the Department of Justice as the authors and spreaders of a smear campaign linking his company with a German cartel, Willard H. Dow, president of the Dow Chemical Company, Midland, Mich., told the Truman committee March 6,

Willard H. Dow

in a special session called on magnesium:—

The Department of Justice has at various times and in various places tried to force into the Dow war record certain charges growing out of peacetime operations. It pretends these charges are proven facts. By deduction, it claims both the Dow Chemical Company and the nation were less able than they should have been to meet the magnesium needs of the war emergency. Every act complained of by the Department of Justice as against the public interest was actually in the public interest and, if anyone impeded the magnesium program—it was not Dow."

The Dow Chemical Company has been unfairly treated. It has served the nation in spite of and not because of the government. The magnesium program of the government, and consequently the service of supply to the Allies, was made possible by the foresight of the Dow Chemical Company in having ready the facilities for production when and as the materials were needed.

In 1942, the critical year in magnesium production, Dow produced 84.2 percent of all the magnesium output in the country and the Dow "know how" produced 91.2 percent.

The alloying and fabrication program of the government, and consequently the use of the metal in airplane building, was made possible only because of the independent research and developments, through the years, of the Dow Chemical Company.

The Dow group had only 44 percent of the rated capacity of the magnesium plants established by the government, but in 1943 turned out 60 percent of the magnesium. They operated at 107 of capacity, while the others operated at

—*Continued on page 41*

## Pyrethrum Processors Group Formed by OPA

*OPD Washington Bureau*

Members of a Pyrethrum Processors' Industry Advisory Committee held an organizational meeting with the Office of Price Administration in Washington March 7, the price agency announced. At the same time OPA made public the names and business connections of the committee members. Of mutual concern to the Pyrethrum Processors' Industry Advisory Committee and the OPA is an adjustment of maximum prices to eliminate a "squeeze" on the primary processors of the flowers due to necessarily higher flower prices about to go into effect. The committee members are:—

W. E. Dermody, Gulf Oil Corporation, Pittsburgh; C. B. Gnadinger, McLaughlin Gormley King Company, Minneapolis, Minn.; A. E. Badertscher, McCormick & Co., Baltimore, Md.; R. P. Neptune, Allaire-Woodward & Co., Peoria, Ill.; John Powell, John Powell & Co., New York; H. F. Seeland, Stanco, Inc., Elizabeth, N. J.; Harold Noble, S. B. Penick & Co., New York; H. R. King, R. J. Prentiss & Co., New York; R. B. Stoddard, Dodge & Olcott, New York.

Harold Noble, head of the insecticide division of S. B. Penick & Co., this city, was elected chairman of the group.

## Dr. Thompson President Of William Warner & Co.

Dr. Marvin R. Thompson has been made president and general manager of William R. Warner & Co., manufacturer of pharmaceutical products, this city. Dr. Thompson, formerly vice-president of the company and director of the Warner Institute for Therapeutic research, succeeds G. A. Pfeiffer, who has been appointed chairman of the board.

Dr. Thompson, a graduate of the University of Minnesota and George Washington University, received his

Dr. M. R. Thompson

Ph.D. from Johns Hopkins in 1934. Formerly pharmacologist and later consultant pharmacologist of the U. S. Food and Drug Administration, associate professor of Pharmacology at George Washington University and professor of Pharmacology at the University of Maryland, Dr. Thompson received the Ebert Medal of the American Pharmaceutical Association in 1930 and has made important contributions in the fields of chemistry and pharmacology, particularly in connection with the isolation and pharmacology of ergonovine and other alkaloids of ergot.

## FDA Interprets Phenol Labeling Rule

*OPD Washington Bureau*

The Food and Drug Administration has just issued the following interpretation of the requirements of the food, drug and cosmetic act as they relate to the labeling of products for external application which contain phenol:—

Our present view on products containing phenol is that those articles which contain 1 percent or less of phenol need not bear warnings of any kind. Those containing more than 1 percent but not more than 2 percent should bear warnings against applying to large areas of the body and that a bandage should not be used when the product is applied to fingers and toes. If the product contains over 2 percent phenol, we would ordinarily not regard it as safe for indiscriminate distribution unless it were offered for spot application, or unless there was something unique about the composition which would cause us to modify our views.

## Rotenone Processors Industry Group Named

*OPD Washington Bureau*

A Rotenone Processors' Industry Advisory Committee whose members will be concerned with maximum prices governing the manufacture and wholesale of all rotenone products, ranging from the imported root to finished insecticides, has been announced by the Office of Price Administration. Members of the rotenone processors' industry advisory committee are:—

J. L. Batty, Cooperative GLF Soil Building Service, Inc., New York; William J. Haude, John Powell & Co., New York; H. R. King, R. J. Prentiss & Co., New York; Miss E. M. Pagel, Agicide Laboratories, Inc., Racine, Wis.; Roy E. Miller, Miller Products Company, Portland, Ore.; D. B. Faloon, Hammond Paint & Chemical Company, Beacon, N. Y.; Robert Joyce, Derris, Inc., New York; Harold Noble, S. B. Penick & Co., New York; R. B. Stoddard, Dodge & Olcott, New York.

# National Physicians Group Gets Medical Care Data

Two topics were of primary interest in the professions-industries conference on the extension of medical care in this city March 8 under the auspices of the National Physicians Committee. One of these was a survey of public opinion on public care, made by the Opinion Research Corporation; the other was the program set up by the N.P.C. board of trustees. Condemnation of the Wagner-Murray-Dingel bill was universal.

The public, according to a summary of the opinion survey presented in charts by Dr. Claude Robinson, president of the corporation, has little information and less knowledge of the movements for better medical care. The 79 percent, who said they had a regular doctor, were satisfied in everything except the difficulty of paying for medical and hospital services. The need for adequate medical care is recognized, but only about one-third favored a government plan of financing.

Surveys in Binghamton, N. Y., and Detroit among participants in health care programs set up by industrial concerns or doctor groups showed a clear preference for privately operated prepayment plans of full coverage. Physicians and patients alike said that the plans were of benefit all round. The large majority doubted the effectiveness or desirability of government plans.

The survey findings were interpreted from the point of view of the physician by Dr. Thomas A. McGoldrick, New York. Making the point that nobody advocates less medical care, he declared that the problem was an economic, not a medical, one. He was not much impressed with earlier studies of medical care.

Dr. Haven Emerson urged the necessity of providing medical care more nearly adequate to needs, as well as planning to make payment for medical services easier.

### N.P.C. Program

Dr. Edward H. Skinner, of the N.P.C. management committee, said that the committee had constructed a program appropriate to the interests of medicine in the improvement of medical care, and that the drug industry and the insurance business must see that the public is provided with practicable prepayment plans. With these business groups, he held, remains the task of implementing the N.P.C. program. The program was set out as follows:—

(a) Encourage the medical profession to active participation in the development of plans and the more general use of existing facilities to provide for easy payment of insurance against unusual or prolonged illness;

(b) Educate the people to the importance, nature and value of prepayment facilities, within the framework of principles approved by the medical profession, now available for meeting the costs of unusual illness;

(c) Investigate conditions relating to and inform industry concerning the principles underlying sound participation with employees in prepayment plans for meeting the cost of unusual or prolonged illness and hospitalization;

(d) Inform private insurance underwriters of the opportunity that is being offered through cooperation in nationwide efforts to provide group insurance policies for those needing or desiring insurance against the hazards of unusual illness;

(e) Encourage and provide State or local financial aid rather than Federal subsidies to insure effective medical care for the indigent;

(f) Encourage contributors and friends to a greater degree of participation in the efforts of the National Physicians' Committee in this constructive program.

Similar sentiments relative to the role of drug and insurance interests were voiced by other speakers, and representatives of drug manufacturing pledged continuing support. A representative of the retail drug trade asked that druggists be given a definite plan in which to work for the program.

### Industrial Comment

An outline of physical care plans being operated by drug manufacturers was given by S. DeWitt Clough, of

—*Continued on page 53*

## George Simon Retiring From Heyden Chemical

George Simon, vice-president and treasurer and director of sales policy of the Heyden Chemical Corporation, New York, intends to retire from busi-

George Simon

ness activities April 1. He will, however, retain his membership on the Heyden board of directors.

Mr. Simon became associated as vice-president and treasurer and in management activities with the Heyden Chemical Corporation when it was organized in 1925. He had come from Germany in 1900 at the age of twenty-eight years to incorporate for Chemische Fabrik von Heyden, its predecessor, Heyden Chemical Works. At the time of formation of the new corporation he was general manager for the Norvell Chemical Company, which he had helped to organize and which became a part of the new Heyden corporation. The board of directors in 1928, in recognition of his

—*Continued on page 51*

## Belgian Congo Quinine Commission Established

A Congo Quinine Commission (Commission du Quinquina) has been established in the Belgian Congo. Having functioned since January 10, 1944, the commission will advise the Governor-General on all matters concerning quinine. The commission will have its headquarters at Leopoldville, while a sub-committee will be located at Costermansville.

Two quinine extraction plants will be installed at Costermansville and will probably be in operation before the end of 1944. It is expected that these plants will employ between 25 and 30 laborers and four or five skilled technicians and that they will be able to treat 100 metric tons of cinchona bark annually. The Congo cinchona trees being young, the first bark treated will probably not yield more

—*Continued on page 51*

## Mo. Drug, Chemical Association Re-Elects

At the annual meeting of the Associated Drug and Chemical Industries of Missouri held March 8 in the Coronado hotel, St. Louis, Mo., the following officers were re-elected:—

President, Morton Meyer of Thompson-Hayward Chemical Company; first vice-president, Franc Barada, Fritzsche Bros.; second vice-president, Paul A. Hein, Mallinckrodt Chemical Works; third vice-president, Morton S. Johnson, Solvay Sales Corporation; secretary, Charles E. Caspari, jr., Monsanto Chemical Company, and treasurer, J. Louis Lanz.

## N.W.D.A. to Meet In Chicago April 19-20

The National Wholesale Druggists Association will hold its midyear meeting at the Palmer house, Chicago, April 19 and 20. The program is being arranged by E. S. Retter. The Board of Control will meet April 18.

# Troublesome Odor Problem?

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# Current Market Quotations Chemicals and Related Materials

## March 10, 1944

**Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.**

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## A

Acacia (see Gum, Arabic).

Acetaldehyde,[4,6] 99%, dms., 55 and 110 gals., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
dms.....lb. .42 - —
kgs.....lb. .37 - .38
powd., bbls.....lb. .34 - .35
dms.....lb. .40 - —
kgs.....lb. .35 - .36

Acetoacetanilide, bbls., 75-lb. dms. lb. .40 - —
smaller lots.....lb. .67 - —

Acetone, CP,[6,1] dms., c.l., divd. E.*..lb. .08 - —
l.c.l., divd.....lb. .08½- —
tanks, divd.....lb. .07 - —

* OPA ceiling for East; Western ceiling, ½c. per lb. higher.
Methyl (see Sd).

Acetonitrile, dms., c.l., works.lb. .75 - —
l.c.l., works.....lb. .90 - 1.25
5-dm. lots, works.....lb 1.00 - —
5-gal. lots, works.....lb 1.25 - —

Acetophenetidin, bbls., kgs., 1,000 lb. lots..lb 1.00 - —
dms.....lb 1.08 - 1.10
Acetophenone, cns., dms.....lb 1.35 - 1.60
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., wks..lb. .07½- —
Acetic,[1,6] com'l or redist., 28%, bbls..100 lbs. 5.38 - 5.63
56%, bbls.....100 lbs. 8.58 - 8.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
glacial, nat., CP, cbys.100 lbs.15.50 -15.75
90.5%, bbls.....100 lbs. 9.15 - 9.40
tanks, works.....100 lbs. 6.93 - —
USP, cbys.....100 lbs.11.70 - —
synth., CP, dms., works..... 100 lbs.12.50 -13.50
99.5%, bbls., works.100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - —
USP, dms., works.100 lbs.10.50 -11.00
pure, 50%, bbls.....100 lbs. 4.44 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic, anhydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't.... 100 lbs. .45 - —
smaller lots, same basis, lb. .46 - .59

Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis, lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .31 - —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous,[6] tech. (see Arsenic, White.)
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic,[1,6] USP, 30-kilo lots, dms..kilo.27.00 - —
10-kilo lots, dms.....kilo.27.35 - —
2½-kilo lots, dms.....kilo.27.70 - —
1-kilo lots, dms.....kilo.28.41 - —
500 gram lots, bots.....kilo.29.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Betaoxynaphthoic, bbls., f.o.b. works..lb. .95 - —
Boric,[2] tech., 99.5% cryst., (same as prices for powder), gran.. bgs., c.l., frt. alld. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots ex whse....ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP 25¢ per ton higher.
Butyric, 99%, dms., c.l., works. lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Bromeure, bbls.....lb. 1.11 - —
Cacodylic, 5-lb. bots.....lb.22.00 - —
Acid, camphoric, cns.....lb. 6.95 - 7.00
Capric, dms.....lb. .21½ Nom.
Caprylic, dms.....lb. .27 - .27½
Castor oil,[2] split, dms.....lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks. lb. .08 - —
l.c.l. .....lb. .08½- .04½
tanks, works.....lb. .02½- —
Chromic,[6] 99½-99¾%, dms., c.l., lb. .16½- —
l.c.l. .....lb. .16¾- .18½
Cinnamic, refd., bots.....lb. 3.50 Nom.
Citric,[3,6] anhyd., gran., dms., c.l..lb. .22½- —
10,000 lbs., 1 ship't..lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs.....lb. .24 - —
cryst., gran., bbls., c.l....lb. .20 - —
10,000 lbs., 1 ship't.....lb. .20¾- —
smaller lots.....lb. .23 - .24
kgs.....lb. .21½- —
Citric acid powd., ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1,3] dist., dms....lb. .15½- .17½
Cottonseed oil,[1,3] dist., dms..lb. .12 - .14¾
tanks .....lb. 11¼- .14¼
Cresylic,[3,6] (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
(Petroleum), light grade (200°-231°), tanks, f.o.b. Cal. ref., gal. .080 - —
medium grade (220°-246°), tanks, divd..gal. .046 - —
20 dms., f.o.b. Cal. ref., gal. .550 - —
f.o.b. Sewaren, N.J. gal. .076 - —
1-19 dms., f.o.b. Cal. ref., gal. .570 - —
f.o.b. Sewaren, N.J..gal. .696 - —
heavy grade (247°-298°), tanks, divd..gal. .586 - —
20 dms., f.o.b. Cal. ref., gal. .490 - —
f.o.b. Sewaren, N.J..gal. .616 - —
1-19 dms., f.o.b. Cal. ref., gal. .810 - —
f.o.b. Sewaren, N.J..gal. .646 - —
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, dom., 90%, cbys., c.l., works..lb. .10¼- —
l.c.l. .....lb. .11 - .11½
Fumaric, tech., bbls.....lb. .27 - .31
Gallic, NF VII, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.34 - —
technical, bbls.....lb. 1.05 - 1.12
Gamma, bbls.....lb. .85 - —
Gluconic, bbls., 500 lbs.....lb. .12 - —
kgs., 100 lbs.....lb. .15 - —
dmjn. .....lb. .21 - .25
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57% bots.....lb. 2.90 - —
Hydrobromic, conc., cbys....lb. .35 - —
dil., cbys.....lb. .20 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-33% bbls.lb. .08 - .09
Hydroxyacetic, 70% tech. bbls., non-return., Phila..lb. .084 - —
tanks, works, basis acid content..lb. .08½- —
Hypophosphorous, USP, dms., lb. .75 - .80
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more, lb. .24½- —
1 to 4.....lb. .24½- —
lb. .24¼- —
plastic grade, bbls., cbys., 20 or more..lb. .14½- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15½- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works..... 100 lbs. 6.30 - —
l.c.l., bbls., works..... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lb. 5.15 - —
44%, bbls., c.l., works..... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., tech., dms...lb. .20 Nom.
Laurent's, bbls.....lb. .45 - —
Linseed oil,[3] light, dms.....lb. .21½- .22
Maleic,[6] powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .28 - —
l.c.l. .....lb. .28 - —
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric, unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.65 - —
20°, cbys., c.l., E. works..... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
Acid, muriatic, 22°, cbys., c.l., E. works..100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, dealer, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .19 - .19½
Naphthenic,[6] 220-230 acidity, dms., c.l., works..lb. .13 - .14
l.c.l., works.....lb. .13 - .15
tanks, works.....lb. .10 - .13
235-245 acidity, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .15 - —
tanks, c.l., works.....lb. .13 - —
Nicotinic,[6] dms., 50-kilo lots up, kilo. 7.00 - —
10-kilo lots.....kilo. 7.10 - —
2½-kilo lots.....kilo. 7.20 - —
1-kilo lots.....kilo. 7.30 - —
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35- —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, dealers, cbys....lb. .11¼- —
7-lb. bots.....lb. .21¼- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11¼- —
smaller lots.....lb. .12¾- —
Palm oil,[3] white, dist., dms.lb. .13 - .13½
tanks .....lb. 12¾- —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., f.o.b. works...lb. .80 - —
Phenylacetic, bots.....lb. 1.85 - 2.00
Phosphoric,[6] pure food grade, 50%, c.l., bbls., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald. 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, divd. N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, c.l., bbls., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald... 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald, 100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10¾- —
10 cbys., to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¾- —
25 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, 55-gal. dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. .47 - —
cns. .....lb. 1.63 - —
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., divd., E.gal. .30 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37
Salicylic,[1] tech., bbls., c.l....lb. .36 - —
100 lbs., to c.l. .....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works...lb. .55 - .57
Soybean oil,[1,3] dist., dms....lb. .16½- .18½
tanks .....lb. .15½- —
Stearic,[1,3] double-press, bgs..lb. .15½- .16½
tanks .....lb. .15¾- —
single press, bgs.....lb. .15½- .16½
triple press, bgs.....lb. .18½- .19½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.28 - —
l.c.l., 25 up, works...100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E.works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs..lb. 1.33 - —
smaller lots, .....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs.....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls. .....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials .....vial. 1.00 - —
cryst., bots. .....oz.42.00 -48.00
15-gr. vials .....vial. 1.60 - —
Acrylonitrile,[6] dms., frt. alld..lb. .33½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works..lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —
Adeps lanae,[1,3] USP, anhyd., dms., primary distributors..lb. .32½- .34 - —
producers .....lb. .32 - —
Adeps lanae hyd., dms., primary distributors..lb. .32½- .34 - —
producers .....lb. .32 - —
Adeps lanae prices for primary distributors, f.o.b. St. Louis, 1c. higher.
Agar,[6] .....lb. 3.50 - —
San Diego, Cal. .....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] cryst., powd...lb. 1.85 - 1.97
granular .....lb. 1.80 - 1.92
tech., cryst., bbls.....lb. 1.65 - 1.75
Alcohol, amyl (see also Fusel oil), refd.), ex pentane, dms., c.l., frt. alld. E. of Miss., lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
Benzyl, cns. .....lb. .65 - .75
dms. .....lb. .63 - —
Butyl, normal,[1,6] ferment, Ill., Ind., prod., dms., frt. alld. E..lb. .1930- —
l.c.l., frt. alld. E....lb. .1980- —
tanks, frt. alld. E.....lb. .1830- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E.....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¾- —
tanks, frt. alld. E.....lb. .10¾- —

* Normal butyl alcohol prices West, ½c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .094 - —
tanks, same basis.....lb. .085½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots .....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 2.00 - —
Denatured,[1,6,5] CD14, dms., c.l., divd. E..gal. .54½- —
19 dms., works, E.....gal. .56½- —
1 to 18 dms., works, E..gal. .59¼- —
tanks, E., divd.....lb. .50 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .62 - —
19 bbls., E. works..gal. .64 - —
1 to 18 bbls., E. works, gal. .67 - —
tanks, E. works.....gal. .50 - —

Anhydrous 3c. per gal. higher.

SD2B, bbls., c.l., wks., E.gal. .59 - —
19 bbls., works, E...gal. .62 - —
1 to 18 bbls., works, E., gal. .65 - —
tanks, E. works.....gal. .48 - —
CD23G (replaced by SD23H), SD23H, works, c.l., bbls..gal. .61½- —
19 bbls. .....gal. .63½- —
1 to 18 bbls.....gal. .66½- —
tanks, E. works.....gal. .49¼- —
SD29, denatured, with acetaldehyde, bbls., c.l., E. works, gal. .62½- —
l.c.l., 19 or more, E. works..gal. .66 - —
1 to 18, E. works...gal. .69 - —
tanks, E. works.....gal. .50½- —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1¼c. per gal. denaturing charge.

Special solvent, dms., c.l., works..gal. .53½- —
19 dms. to c.l. .....gal. .57½- —
1 to 18 dms.....gal. .60¼- —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[6] acetone-free, dms., c.l., divd..lb. .11¼- .14½
l.c.l., divd.....lb. .11¾- .15
tanks, divd.....lb. .10¼- .13½
tech., dms., c.l., divd.....lb. .11 - .13¼
l.c.l., divd.....lb. .11¼- .14
tanks, divd.....lb. .10 - .12½
Ethyl,[6] 190 pf., dms., c.l...gal.11.94½- —
19 dms.....gal.11.98 - —
1 to 18 dms.....gal.12.01 - —
tanks .....gal.11.90 - —
absolute, dms.....gal.12.02 - —
18 dms., c.l.....gal.12.63½- —
1 to 17 dms.....gal.12.68½- —
Ethylhexyl, dms., c.l., wks..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .23 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - .35
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol isobutyl).
Isobutyl,[6] refd., dms., works.lb. .0880- —
tanks, works.....lb. .0760- —
Isopropyl,[2,6] refd., 91%, dms., 5 to 10 gals., c.l., divd..gal. .66½- —
55 gals., c.l., divd....gal. .59 - —
l.c.l., divd.....gal. .63½- —
tanks, frt. alld.....gal. .54 - —
99%, dms., 5 gals., divd.gal. .65 - —
55 gals., c.l., divd....gal. .44 - —
l.c.l., divd.....gal. .47 - —
tanks, frt. alld.....gal .57½- —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns.....lb. 2.10 - 2.20
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .62
Propyl, normal, dms., wks..gal. .67 - .70

## Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling
[2]—Price agreement (sellers with OPA)
[3]—General Limitation Order (L order)
[4]—General Preference Order (M order)
[5]—Conservation Order (M order)
[6]—Allocation

Alcohol, tetrahydrofurfuryl, dms., c.l., Waverly, N. Y. .lb. .40 - —
smaller lots, same basis .lb. .44 - .50
cns., Cedar Rapids, Ia. .lb. .55 - —

Aldehol, denat. grade, dms., tanks, works .gal. .70 - .72

Aldol, dms., works .lb. .13 - .15
denat., grd., dms .gal. 1.20 - —

Aletris root, bgs. .lb. 1.35 - 2.00

Algin, bbls., fib. dms. .lb. .79 - 1.50

Alizarin (see Red, alizarin).

Alkanet root, bgs. .lb. No stocks

Allspice,[1] Mexican, bgs. .lb. .20½- .21

Aloe, Cape, cs. .lb. .30 - .33
Curacao, kgs. .lb. .70 - .75
Socotrine, kgs. .lb. .55 - .60

Aloin, bbls., dms., kgs. .lb. 5.45 - 5.54

Alphanaphthol, bbls. .lb. .52 - —

Alphanaphthylamine, bbls. .lb. .32 - —

Alphapicoline, ret. dms., works, frt. equald. .lb. .23½- .28½

Alphapinene, dms., c.l., wks. .gal. .82¾- —
l.c.l., works .gal. .84¾- —
tanks, works .gal. .79½- .79¾

Alphaterpineol, dms., c.l., works. .lb. .1340- —
l.c.l. .lb. .1390- —
tanks .lb. .1200- —

Alphatocopherol, amp. .gram 1.00 - 1.10

Althea root, bls. .lb. .60 - .65

Alum, ammonia,[2] burnt, USP, bbls., kgs. .lb. .16 - .18
gran., bbls., works .100 lbs. 4.00 - —
dlvd., N. Y., Phil. .100 lbs. 4.00 - —
lump, bbls., works .100 lbs. 4.25 - —
dlvd. N. Y., Phil. .100 lbs. 4.25 - —
powd., bbls., works .100 lbs. 4.40 - —
dlvd. N. Y., Phil. .100 lbs. 4.40 - —
potash, gran., bbls., wks. .100 lbs. 4.25 - —
dlvd., N. Y., Phila. .100 lbs. 4.25 - —
lump, bbls., works .100 lbs. 4.50 - —
dlvd., N. Y., Phila. .100 lbs. 4.50 - —
powd., bbls., works .100 lbs. 4.65 - —
dlvd., N. Y., Phila. .100 lbs. 4.65 - —
Potash, chrome, bbls. .lb. .12½- .15
Soda, bbls., c.l., works .100 lbs. 3.25 - —
l.c.l., dlvd. .100 lbs. 4.25 - 5.00

Alumina acetate, basic solut., 24%, bbls., dlvd. .lb. .10¼- .11
solut., 26%, bbls., dlvd. .lb. .09½- .10

Chloride, anhyd.,[3] com'l, dms., c.l., works. .lb. .08 - —
l.c.l., works .lb. .09 - .12
cryst., com'l, dms., c.l., works .lb. .06 - —
l.c.l., works .lb. .06½- .06¾
solut., 32 deg., cbys., c.l., works .lb. .02¾- —
l.c.l., works .lb. .03¾- —

Fluoride, bbls. .lb. .35 - .40

Hydrate,[4] heavy, bgs., c.l. .lb. .0310- —
bbls., c.l., works .lb. .0340- —
l.c.l., works .lb. .04 - —
light, bgs., dlvd. .lb. .14½- —
bbls., dlvd. .lb. .15 - —

Hydroxide gel, USP purity, conc., 9-9½% $Al_2O_3$, fib. dms., works .lb. .17¾- —
contract, works .lb. .16¾- —
14-15% $Al_2O_3$, fib. dms. .lb. .20¾- —
contract, works .lb. .19¾- —
dried, USP XII, fib. dms., works .lb. .78 - —
contract, works .lb. .75 - —

powd., USP IX, bbls., dms. .lb. .15 - .19

Laurate, prec., bbls. .lb. .25 - .26

Naphthenates, 1.7% Al, 50-gal. dms., works .lb. .18¾- —

Oleate, dms., contract .lb. .24½- —

Resinate, precip., dms. .lb. .15½- —

Stearate, precip., bbls., c.l. .lb. .23 - —
l.c.l. .lb. .24 - —

Sulphate, com'l, bgs., c.l., works, frt. equald. .100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald. 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works... 100 lbs. 2.35 - —
l.c.l., works .100 lbs. 2.50 - —

Aluminum, 98-99%,[5,3,4] c.l. .lb. .15 - —
l.c.l. .lb. .16 - —

paste,[6] lining, extra fine, 200-lb. dm. .lb. .56 - .59
ink, 150-lb. dm. .lb. .71 - —
standard, dm. .lb. .58 - —

powder,[6] lining, extra fine, 150-lb. dm. .lb. .36 - —
litho., 150-lb. dm. .lb. .37 - —
standard, 200-lb. dm. .lb. .59 - —
rubber comp., 200-lb. dm. .lb. .40 - —
unpolished, stand., 250-lb. dm. .lb. .36 - —
varnish, stand., 300-lb. dm. .lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 2c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins .oz. 17.00 -18.00

Aminomethylpropanol, cns., dms., works .lb. .50 - .60

Aminopyrine, dms. .lb. 4.00 - —
bots. .lb. 4.25 - —

Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald., ton 90.00 - —
refrigeration, tanks, wks. ton 100.00 - —
pure, cyls. .lb. .16 - —
Aqua, 26°, cbys. .lb. .05¼- —
dms., c.l. .lb. .02¼- —
l.c.l. .lb. .02½- —
tanks, works ($NH_3$ content). .lb. .04 - —

Benzoate, refined, dms., kgs., 4,000 lbs. up, frt. alld. .lb. .43 - —
smaller lots, frt. alld. .lb. .44 - .47

Bicarbonate, dms. .lb. .0639- .0614

Bichromate,[6] bbls. .lb. .23 - .25

Bifluoride, bbls. .lb. .15 - .17

Borate, gran., bbls., kgs. .lb. .1080- —
powd., bbls., kgs. .lb. .1130- —

Bromide, NF, bbls. .lb. .31 - .35
dms. .lb. .32 - .36

Carbonate, lump, dms. .lb. .08¼- .09¼
cns. .lb. .14¼- .17¼
powdered, 1c. per lb. higher.

Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs., .lb. .13 - .15

Citrate, dibasic, bbls. .lb. .75 - —
dms. .lb. .80 - .85

Fluoride, bbls. .lb. .13 - .20

Hydroxide (see Ammonia, agua).

Hypophosphite, NF, dms. .lb. 1.25 - 1.27
jars .lb. 1.30 - 1.35

Iodide, NF, bots. .lb. 3.71 - —
jars .lb. 3.65 - —

Linoleate, 80%, anhyd., bbls. .lb. .12 - —

Molybdate,[6] c.p., cryst., kgs. .lb. 1.26 - 1.28
fine cryst., bbls., kgs. .lb. .84 - .87
purified, dms. .lb. 1.10 - 1.12

Nitrate,[1,6] Canadian, fertilizer grade, 32.5 nitrogen, bgs., producing point. .ton. 47.50 - —
ordnance, bgs., same basis. ton 50.00 - —

Ammonia nitrate, tech., bgs., works .100 lbs. 4.35 - 8.50
bbls., works .100 lbs. 4.55 - —

Oleate, dms. .lb. .14 - —

Oxalate, purif., gran., bbls., kgs. .lb. .27 - .33

Perchlorate, kgs. .lb. .55 - .65

Persulphate, kgs. .lb. .25½- .28½

Phosphate, dibasic, NF V, bbls., kgs. .lb. .31 - .39
tech., bbls., c.l. .lb. .07¾- —
l.c.l. .lb. .08 - .08½
monobasic, pure, bbls. .lb. .40 - .45
tech., bbls., c.l. .lb. .07¾- —
l.c.l. .lb. .08 - .08½

Salicylate, NF, dms., kgs. .lb. 1.15 - 1.18

Silicofluoride, bbls. .lb. .15 - .18

Stearate, anhydrous, dms. .lb. .34 - —
paste, dms. .lb. .18½- —

Sulphaminate, bbls., works .lb. .18 - .24

Sulphate,[1,6] dms., bulk, inland producing ovens. .ton. 28.20 - —
Atlantic coast ports .ton. 29.20 - —

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works .lb. .07½- —
l.c.l., dlvd. .lb. .15 - —
tanks, dlvd. .lb. .07½- —

red, 48%, cbys., works .lb. .08 - —
dms., works .lb. .06 - —
yellow, 33%, cbys., works .lb. .08 - —
dms., works .lb. .06 - —

Sulphocyanide, CP, dms. .lb. .45 - .97½
tech., bbls. .lb. .17 - —

Ammoniac gum (see Gum, ammoniac).

Sal, gray, bbls., c.l., works .lb. 5.50 - 5.75
l.c.l., same basis .100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works 100 lbs. 4.45 - —
l.c.l., same basis .100 lbs. 5.15 - —

Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd. .lb. .13 - .18
l.c.l., dlvd. .lb. .12½- .17½
tanks, dlvd. .lb. .11½- .14
ex-pentane, dms., c.l., frt. alld., E. of Miss. R. .lb. .15½- —
l.c.l., same basis .lb. .16½- —
tanks, same basis .lb. .14½- —

Alcohol (see Alcohol, amyl).

Butyrate, dms .lb. .75 - .80

Caproate, dms. .lb. 2.75 - —

Chloride, mixed tech., dms., works, c.l. .lb. .07 - —
l.c.l., works .lb. .08 - —
tanks, works .lb. .06 - —

Ether, dms., c.l., works .lb. .09½- —
l.c.l., works .lb. .102 - —
tanks, works .lb. .08½- —

Nitrite, USP, bots. .lb. 1.72 - 1.80

Mercaptan, dms., works .lb. 1.10 - —

Oleate, dms., works .lb. .31 - —

Salicylate, bots. .lb. .85 - 1.25

Stearate, dms., works .lb. .42 - —

Amylene, dms., c.l., works .lb. .10½- —
l.c.l., works .lb. .11 - —
tanks, works .lb. .09 - —

Amylnaphthalenes, mixed, crude, dms., works .lb. .14 - —
refd., dms., works .lb. .16 - —

Anethol, con'l, dms., works .lb. .662 - —
NF, bots. .lb. 2.10 - 2.85
cans .lb. 1.90 - 2.25

Angelica root, dom., bls. .lb. .55 - .60

Angostura bark, bls. .lb. .20 - .21

Anilin oil,[6] dms, c.l., works, frt. alld. .lb. .11½- —
l.c.l., works, frt. alld. .lb. .12½- —
tanks, works, frt. alld. .lb. .10½- —

Salt, dms., works .lb. .22 - .24

Anise,[1] Cyprus, bgs. .lb. .28½- .29
Mexican, recleaned, bgs. .lb. .25 - .26
Syrian, bgs. .lb. .27 - .27½
Turkish, bgs. .lb. .28 - .29

Anisic aldehyde, bots. .lb. 2.90 - 3.00

Annatto,[6] paste, bxs. .lb. .34 - .39
Seed, bgs. .lb. .08¼- —

Anthracene, 80-85%, bbls., works. .lb. .55 - —
90%, bbls., works .lb. .65 - —

Anthraquinone, 99.5%, bbls. .lb. .70 - —

Antimony butter (see Antimony chloride).
Chloride, solut., cbys. .lb. .17 - —

Metal,[1,4] bulk, c.l., works .lb. .14½- .17½

Needle,[1] Bolivian, brown, 67%, cs. .lb. .18½- —
Chinese, black, 70%, cs. .lb. .20 - .22

Oxide,[1,6] bgs., c.l. .lb. .15 - —
l.c.l. .lb. .15½- —

Salt,[1] 65%, bbls., dlvd. E. of Miss. River .lb. .40 - —

Sulphide,[1] 65-70%, bbls., c.l., works .lb. .17 - —
l.c.l., works .lb. .17½- —

Antipyrine, bbls., kgs., ton .lb. 2.00 - —
smaller lots .lb. 2.10 - 2.20

Apomorphine, bots. .oz. 23.20 -23.70

Apple syrup,[1] bbls. .lb. .16 - .16½

Archil extract, bbls. .lb. No stocks

Areca nuts, powd., bbls. .lb. .25 - .26

Arecoline hydrobromide, bots. .oz. 12.25 - —

Argols, min. 70%, bgs., Argentine port, 100 kilos, 100% purity .60.00 - —
Spanish port, 100 kilos, 100% purity .52.00 - —

Arnica flowers, bls. .lb. 3.25 Nom.

Root, bls. .lb. 1.00 - 1.25

Arrowroot, powd., bgs., bbls. .lb. .10 - .10½

Arsenic,[6] metal, lump, c.l. .lb. No prices
Chloride (arsenous), bots. .lb. 1.55 - —

Iodide (arsenous), 5-lb. bots. .lb. 5.58 - —
jars .lb. 5.43 - —

Sulphide, yellow, bbls. .lb. .52 - .56
bots. .lb. .60 - .64

Trioxide (see Acid, arsenous).

White, powd., kgs., c.l. .lb. .04 - —
l.c.l. .lb. .04¾- —

Asafetida, cs. .lb. .45 - .68
powd., bbls., dms. .lb. .55 - .82

Asbestine (see Talc, N. Y. fibrous).

Asbestos fiber, 5D and 6K, bgs., c.l. (20 tons), Canad. mines. ton 49.50 - —
5R, bgs., same basis .ton. 44.60 - —
6D, bgs., same basis .ton. 33.00 - —
7D, bgs., same basis .ton. 28.50 - —
7F, bgs., same basis .ton. 26.50 - —
7H, bgs., same basis .ton. 22.50 - —
7K, bgs., same basis .ton. 19.00 - —
7M, bgs., same basis .ton. 16.50 - —
7R, bgs., same basis .ton. 15.50 - —

Asphaltum, Manjak No. 10, crude, dms., works .lb. .05¼- .12
process form, bgs., wks. .lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight Colo. mines .ton. 30.50 - —

Barbados, Dunellen, N. J. .lb. .10½- —

California, dms., c.l. .ton. 36.40 - —
l.c.l. .ton. 41.40 - —

Cuban A, bulk, c.l., N. Y. .ton. 60.00 - —
l.c.l., same basis .ton. 90.00 - —

B, bulk, c.l., N. Y. .ton. 38.50 - —
l.c.l., same basis .ton. 55.00 - —

Egyptian, substitute, bgs., l.c.l. refinery, N. J. or Ill. .lb. .08 - —

Gilsonite, brilliant black, selects, 340 F. fusing point, bgs., mines .ton. 32.90 - —
seconds, 370-390 F. fusing point, not uniform, same basis .ton. 25.50 - —
selects, 290-295 F. fusing point, same basis .ton. 30.50 - —
270 F. fusing point, same basis .ton. 30.50 - —
seconds, 300-330 F. fusing point, not uniform, same basis .ton. 25.50 - —
jet, bgs., 2,000 lbs. gross weight, Colo. mines .ton. 30.50 - —

Asphaltum, Mexican, refd., dms., Texas refinery .ton. 21.00 - —
l.c.l., refinery .ton. 21.00 -23.00
tanks, refinery .ton. 16.00 - —

Atropine, bots. .oz. 15.00 - —

Sulphate, bots. .oz. 8.10 - —

# B

Balm of Gilead buds, bgs. .lb. 1.10 - 1.15

Barbasco root,[2,6] (see Cube root).

Barberry, root bark, bgs. .lb. .78 - .80

Barbital, dms. .lb. 3.50 - 3.60

sodium, dms. .lb. 3.75 - —

Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works .ton. 43.00 - —
precip., bgs., c.l., works .ton. 55.00 - —
ton 55.00 - —
l.c.l., works .ton. 60.00 - —
bbls., c.l., works .ton. 60.00 - —
l.c.l., works .ton. 65.00 - —
sulphur-free, paper bgs., works .ton. 60.00 - —
l.c.l., works .ton. 65.00 - —

Chlorate,[6] kgs. .lb. .36 - —

Chloride, CP, cryst., bbls. .lb. .25 - .27
pure, bbls., kgs. .lb. .10 - .12
tech., cryst., zone 1, bgs., c.l., dlvd. .ton. 77.00 - —
l.c.l., dlvd. .ton. 90.00 - —
Zone 2, bgs., c.l., dlvd. .ton. 81.00 - —
l.c.l., dlvd. .ton. 94.00 - —
Zone 3, bgs., c.l., dlvd. .ton. 87.00 - —
l.c.l., dlvd. .ton. 100.00 - —
Zone 4, bgs., c.l., dlvd. .ton. 100.00 - —
l.c.l., dlvd. .ton. 113.00 - —

Barium chloride, tech., in bbls., $2 per ton higher. Sales zones are:—1, Ill., Ind., Ky., Mich., Md., Ohio, New England States, N. J., N. Y., Pa., Va., Wis., and principal cities of W. bank Miss. R., N. of Miss., No. of Ark. line; 2, Ala., Fla., Ga., Miss., N. C., S. C., Tenn.; 3, Ariz., Colo., Idaho, Ia., Minn., Mo., N. Mex., Utah; 4, Calif., Nev., Ore., Wash.

Dioxide, dms., c.l., works .lb. .10 - —
l.c.l., works .lb. .12 - .13

Fluoride, bbls. .lb. .18 Nom.

Hydrate (see Hydroxide).

Hydroxide, bbls., works .lb. .06 - .07

Iodide, bots. .lb. 4.62 - 4.82

Monoxide (see Oxide).

Nitrate, cks. .lb. .11 - .12

Oxide, dms., c.l., works .lb. .08 - —
l.c.l., same basis .lb. .10 - .12
grd., dms., l.c.l., works .lb. .11 - .15

Peroxide (see Dioxide).

Silicofluoride, bbls. .lb. .17 - .19

Stearate, ctns., 1 ton up .lb. .31 - —
smaller lots .lb. .32 - —

Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls. .lb. .09¼- .10
kgs. .lb. .12 - —

Barytes, floated, bbls., c.l., St. Louis .ton. 27.65 - —
l.c.l., same basis .ton. 28.65 - —
ex whse., N. Y. .ton. 36.00 - —
paper bags, c.l., St. Louis .ton. 25.35 - —
l.c.l., same basis .ton. 26.35 - —
ex whse., N. Y. .ton. 34.00 - —
Southern, off-color, bgs., mines, ton 17.50 - —
95.75%, bgs., mines .ton. 18.00 - —
Ore, bulk, mines .ton. 8.00 - —

Bauxite,[6] bulk, mines .ton. 7.00 -10.00

Bay leaves (see Laurel leaves).

Bayberry bark, bgs. .lb. .12 - .13

Belladonna leaves, bls. .lb. 1.00 - 1.05
Root, bls. .lb. .90 - 1.00

Bentonite, 200 mesh, bgs., works, ton 11.00 - —
325 mesh, bgs., works .ton. 16.00 - —

Benzaldehyde, N.F., dms. .lb. .85 - .95
tech., cbys., dms. .lb. .45 - .55

Benzene (see Benzol).

Bensidin base, bbls. .lb. .70 - —

Benzocaine, cns. .lb. 3.20 - 3.55

Benzol,[6] (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal. .gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo. .gal. .15 - —

Benzophenone, dms. .lb. 1.15 - 1.20

Benzoyl chloride, cbys. .lb. .22 - .24

Peroxide, pure, gran., fib. ctns., works. .lb. 1.95 - —

Benzyl acetate, f.f.c., cns. .lb. .59 Nom.
dms. .lb. .55 Nom.
Alcohol (see Alcohol, benzyl).

Benzoate, a.m.a., f.f.c., dms. .lb. 1.00 - 1.10

Chloride, cbys., frt. equald. .lb. .22 - .24

Cinnamate, cns. .lb. 5.15 - 5.50

Formate, cns. .lb. 3.00 - 3.50

Isoeugenol, bots. .lb. 9.50 - —

Propionate, bots. .lb. 2.55 - 3.00

Salicylate, bots. .lb. 1.90 - 2.15

Benzylidinacetone, bots. .lb. 2.00 - 2.50

Berberine bisulphate, cns. .lb. No stocks

Hydrochloride, bots. .oz. No stocks

Sulphate, cns. .lb. No stocks

Berberis root, bls. .lb. .18 - .20

Betanaphthol, resublimed, dms., works .lb. .55 - .60
tech., bbls., c.l., works .lb. .23 - —
l.c.l., works .lb. .24 - —

Benzoate, fib. dms., works .lb. 1.75 - —

Salicylate, dms. .lb. 5.00 - —

Betanaphthylamine, tech., works, lb. .51 - —

Betapicoline, 95%, ret. dms., works .lb. 2.05 - 2.35
98%, same basis .lb. 2.50 - —

Beth root, bls. .lb. .42 - .45

Bismuth[6] chloride, bots. .lb. 3.00 - —
jars .lb. 2.85 - —

Citrate, USP VIII, bots. .lb. 2.81 - 2.86
jars .lb. 2.75 - —

Hydroxide, bots. .lb. 3.41 - 3.46
cns. .lb. 3.35 - —

Metal, ton lots .lb. 1.25 - —

Nitrate, cryst., bots. .lb. 1.41 - 1.46
cns. .lb. 1.30 - —

Oxychloride, bots. .lb. 3.14 - 3.19
cns., kgs. .lb. 3.10 - —

Subbenzoate, bots. .lb. 5.51 - —
fib. dms. .lb. 3.40 - —

Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.53
bots., cns. .lb. 1.59 - 1.63
X-ray, 5-lb. bots. .lb. 2.79 - —
fib. dms. .lb. 2.73 - —

Subgallate, NF, bots., cns. .lb. 1.49 - 1.53
fib. dms. .lb. 1.40 - 1.43

Subiodide, bots. .lb. 4.19 - 4.25
fib. dms. .lb. 4.13 - —

Subnitrate, USP, powd., bbls., dms. .lb. 1.20 - 1.23
bots. .lb. 1.29 - 1.33

Subsalicylate, USP, 62 - 66%, bbls., fib. dms. .lb. 2.50 - —
bots., cns. .lb. 2.51 - 2.59

Sulphurcarbolate, bots. .lb. 3.71 - 3.76
fib. dms. .lb. 3.65 - —

Trioxide, powd., bots. .lb. 3.71 - 3.76
cns. .lb. 3.65 - —

Bismuth-ammonia citrate, USP, powd., dms. .lb. 3.40 - —
cns. .lb. 3.45 - 3.50

Bisphenol-A, bgs., c.l., works. .lb. .22 - —
l.c.l., works .lb. .23 - —

Black, acetylene,[2] bgs., c.l., works .lb. .14 - —

Bone, 1A, bgs., bbls., c.l., frt. alld East. .lb. .17 - —
2, bgs., bbls., c.l., same basis, lb. .12 - —

Black, bone, 3, bgs., bbls., c.l., same basis .lb. .11 - —
4, bgs., bbls., c.l., same basis, lb. .09½- —
400A, bgs., bbls., c.l., same basis .lb. .08¼- —
457, bgs., bbls., c.l., same basis .lb. .11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast prices are 1½c. higher ex dock or whse.

Carbon,[6] heads, comp., bgs., c.l., works .lb. .03550- —
bgs., ctns., l.c.l., dlvd. or whse .lb. .07½- —
regular uncompressed, bgs., c.l., works .lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse .lb. .08 - —

Charcoal (see C).

Graphite (see G).

Iron oxide, magnetic, pure, bbls., l.c.l., works .lb. .09¼- —

Lamp, 1, ctns., works .lb. .08¼- —
l.c.l., works .lb. .09 - —
2, ctns., c.l., works .lb. .10 - —
l.c.l., works .lb. .11 - —
2A, ctns., c.l., works .lb. .12 - —
l.c.l., works .lb. .13½- —
3, ctns., c.l., works .lb. .14¼- —
l.c.l., works .lb. .15¼- —
4, ctns., c.l., works .lb. .16½- —
l.c.l., works .lb. .17½- —
5, ctns., c.l., works .lb. .20 - —
l.c.l., works .lb. .26 - —
6, ctns., c.l., works .lb. .26½- —
l.c.l., works .lb. .27½- —
7, ctns., c.l., works .lb. .37½- —
l.c.l., works .lb. .38½- —

Mineral, vine type, bbls., l.c.l., works .lb. .04¾- —

Vine A, bbls. .lb. .04½- .06
B, bbls. .lb. .05¾- —
kegs .lb. .06 - —

Black dyes listed under Dyes.

Black haw root bark, bls. .lb. .75 - .80
Tree bark, bls. .lb. .26 - .30

Black Indian hemp root, bls. .lb. .30 - .35

Blanc fixe, dry, by-product, bgs., c.l., works .ton. 60.00 - —
l.c.l., works .ton. 67.50 - —
direct process, bgs., c.l., works, ton 70.00 - —
l.c.l., works .ton. 75.00 - —
bbls., c.l., works .ton. 75.00 - —
l.c.l., works .ton. 80.00 - —
pulp, 66⅔%, bbls., c.l., works, ton 40.00 - —
l.c.l., same basis .ton. 46.50 - —

Bleaching powder,[2,6] dms., c.l., works .100 lbs. 2.50 - 3.10
l.c.l., works .100 lbs. 2.75 - 3.60

Blood,[1] dried, 16-16½% ammon., bgs., unit-ton 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton 5.53 - —
soluble, bgs., c.l., Chicago .lb. .13½- —
smaller lots, Chicago .lb. .15 - .20

Bloodroot, bls. .lb. No stocks

Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. River including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
toner, bbls., same basis .lb. .85 - .90
Celestial, bbls., same basis .lb. .10 - .12

Cobalt,[6] genuine, bbls., same basis .lb. 4.00 - —

Imitation (see Blue, ultramarine).

Copper phthalocyanin, full strength, bbls., same basis, lb. 3.50 - 3.75
80% bbls., same basis .lb. 3.30 - —
green shade, bbls., same basis .lb. 4.50 - 4.70

Iron, Chinese, bbls., same basis, lb. .34 - —
Milori, bbls., same basis .lb. .36 - —
Prussian, bbls., same basis, lb. .36 - —
soluble, bbls., same basis, lb. .36 - —

Molybdated, Victoria, same basis .lb. 3.15 - —

Peacock, fugitive, 100% color strength, same basis .lb. .52 - —
permanent, toner, green shade, tungstic .lb. 4.00 - —
molybdic .lb. 3.50 - —

Potash, CP, bbls., same basis, lb. .42 - —

Soda, CP, bronze, bbls., same basis .lb. .34 - —

Ultramarine, dry or pulp, cobalt grades, bbls., same basis .lb. .23 - .27
job grades, bbls., same basis, lb. .12 - .13
reg. grades, bbls., same basis, lb. .17 - .27

Victoria, toner,[1] tungstic, bbls., lb. 3.30 - —
molybdic, bbls. .lb. 3.15 - —
ink toner, bbls., same basis, lb. 1.33 - —
syn. vehicle, bbls., same basis .lb. 1.93 - —

Violet, toner, molybdic, kgs., same basis .lb. 1.25 - —
tungstic, kgs., same basis, lb. 2.10 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blueflag root, bls. .lb. .35 - .40

Blue mass, NF, cns., tubs .lb. 1.59 - 1.76
powd., bots., cns., dms. .lb. 1.62 - 1.76

Bluestone (see Copper sulphate).

Blue vitriol (see Copper sulphate).

Bone, raw, bulk, Chicago .ton. 57.50 -65.00
junk, bulk, same basis .ton. 31.00 - —
meal, 4½% ammon., 50% phos., bgs., E. works .ton. 37.50 - —
Chicago, works .ton. 39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works .ton. 47.00 - —
Chicago, works .ton. 51.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. wks. ton. 38.50 - —
Chicago, works .ton. 37.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see under D).

Boneset leaves, bls. .lb. .15 - .17

Borage flowers, bls. .lb. .45 - .60

Borax,[2] tech., 99½%, gran., bulk, c.l., frt. alld. .ton. 41.50 - —
bgs., c.l., frt. alld. .ton. 46.50 - —
ton lots, ex whse. .ton. 56.00 - —
less ton lots, ex whse. .ton. 61.00 - —
bbls., c.l., frt. alld. .ton. 55.00 - —
ton lots, ex whse. .ton. 66.00 - —
less ton lots, ex whse. .ton. 71.00 - —
powd., bgs., frt. alld. .ton. 50.00 - —
ton lots, ex whse. .ton. 61.00 - —
less ton lots, ex whse. .ton. 66.00 - —
bbls., c.l., frt. alld. .ton. 60.00 - —
ton lots, ex whse. .ton. 71.00 - —
less ton lots, ex whse. .ton. 76.00 - —
USP, $15 per ton higher.

Bordeaux mixt., dms., c.l., whse., works, frt. alld. .lb. .11 - —
l.c.l., same basis .lb. .11¼- —

Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).

# "The Wearing of the Green"

Soon St. Patrick's day will be here. And those of us of Irish descent will proudly display a bit of green. And there are others —not of Irish descent—who also will wear green out of respect to a lovable race.

It's a worthy tribute to a great race. Through persecution and soul-trying times, the Irish have never lost sight of their ideals . . . Ideals that the gallant Allied Nations are today spilling their life's blood to maintain for future generations . . . Ideals which make this a more humane and worthwhile world with FREEDOM . . . PEACE . . . and HAPPINESS.

Let's each of us do our utmost to make these ideals a reality to our neighbors. Let's not forget that without these ideals we would revert to the things that we are today fighting against. Let's BUY BONDS . . . GIVE BLOOD . . . and ANYTHING ELSE . . . that will bring quicker that joyous day of Victory . . . the day when we again can say with light and happy hearts . . . "The top of the mornin' to ye . . . for 'tis a lovely world, indeed."

WILLIAM D. NEUBERG COMPANY
Chemicals
GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324

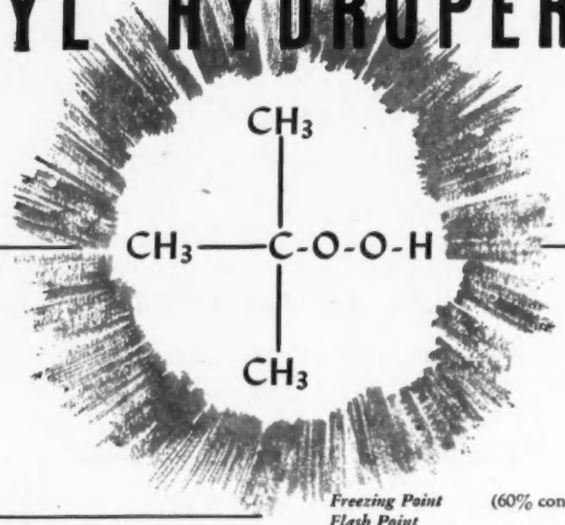
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35
Bromoform, USP, bots.....lb. 1.50 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown,[3] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works.lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works.lb. .03¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works.lb. .08 - .10
Umber, Amer., bbls., works.lb. .03¾- —
Italian type, bbls., works. lb. .04¾- —
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y....lb. .04¾- —
f.o.b. St. Louis, Chicago, Indianapolis, New Orleans.lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Brown, umber, Turkey-type, f.o.b. ex car, Los Angeles.....lb. .05⅝- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles....lb. .05⅝- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., same basis..lb. .12 - —
Brucine, 100 oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .30 - —
Byronia root, bls.....lb. .65 - .75
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .78 - .80
Berries, bgs.....lb. .70 - .75
Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[1] indust., tanks, Group 3. gal. .03½- —
Butternut bark, bls.....lb. .15 - .17
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R..lb. .1860- —
l.c.l., frt. same basis. lb. .1910- —
tanks, same basis.....lb. .1760- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis.....lb. .12¾- —
tanks, same basis.....lb. .10¾- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
secondary,[1,5] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Butyl, carbinol, secondary, l.c.l., dms., works..lb. .09 - —
Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms.....lb. .20½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref'd, dms., works..lb. .35 - —
tech., dms., works.....lb. .29 - —
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

## C

Cadmium bromide,[6] jars.....lb. 1.65 - 1.70
bots. .....lb. 1.84 - 1.91
Iodide,[6] bots.....lb. 4.23 - —
cans .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,4] pat. shapes, cs., dlvd. lb. .95 - —
Ingots or sticks.....lb. .90 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., makers, primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots.....lb. 3.15 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
25 to 100 lbs.....lb. 3.15 - 3.30
smaller lots.....lb. 3.35 - 3.45
Citrated, dms., makers, primary distrib., 100 lbs. or more..lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .40
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00
Arsenate,[6] bgs., c.l., whse., works, frt. alld..lb. .07 - .08
l.c.l., same basis.....lb. .07½- .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1,5] dms., works.....ton.80.00 - —
dms., dlvd., c.l.....ton.87.00 -95.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd...ton.21.50 -35.50
5-ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, whs. ton. 7.50 - —
purified, cryst., bbls., jars.lb. .28 - .39
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -21.50
l.c.l., 15 tons, dlvd...ton.21.45 -25.45
5-ton lots.....ton.26.45 -40.95
Calcium chloride prices vary according to zone; min. prices, exct. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .58
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.28 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.10
Lactate, USP, bbls.....lb. .35 - .37
Laurate, bbls. .....lb. .26 - .29
Mandelate, dense, dm.....lb. 2.05 - 2.20
fluffy, dms.....lb. 2.05 - 2.20
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots., per gram. .15 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, 10 bbls., or over, works..lb. .07 - .07¾
5 to 9 bbls., works....lb. .08 - .09
1 to 4 bbls., work"....lb. .10 - —
medicinal, bbls.....lb. .11½- .12
dms. .....lb. .12½- .18
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
Resinate, precip., 6.5% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, 50-lb. paper bgs., c.l., works..lb. .05½- —
l.c.l. works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works, ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - —
Tallate, 3%-4% Ca, 50-gal. dms..lb. .18¼- .19½
Calcium-strontium-sulphide, phosphorent, dms., works, frt. alld..lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 2.25 - 2.50
Calomel,[3] bbls., dms.....lb. 2.75 - 2.76
bots. .....lb. 2.88 - 2.92
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works. lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, dms.....lb. 2.10 - 2.25
Canada balsam (see Fir balsam).
Canella alba bark, bls.....lb. .29 - .30
Cantharides, Chinese, cs.....lb. No stocks
powd., bxs.....lb. No stocks
Russian, cs.....lb. No stocks
powd., bxs.....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] Dutch, bgs....lb. 1.10 - 1.15
Morocco, dewhiskered, bgs...lb. .66 - .67
Spanish, dewhiskered, bgs...lb. .66 - .67
Syrian, dewhiskered, bgs....lb. .57 - .58
natural, bgs.....lb. .46 - .47
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works....lb. .225 - —
l.c.l., works.....lb. .235 - —
tanks, works.....lb. .215 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N.of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis.. lb. .07 - .07½
l.c.l., same basis.....lb. .09 - .09½
Dioxide, cyls.....lb. .06 - .06
Tetrachloride,[1,6] Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 53½-gal. dms., c.l., frt. alld..gal. .84 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld,.gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
Zone 5, 52½-gal. dms., 5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.
Cardamom,[1] bleached, cs.....lb. 1.65 Nom.
decorticated, cs.....lb. 1.20 - 1.22
green, Alleppey, bgs.....lb. .95 - 1.00
Ceylon, cs.....lb. 1.00 - 1.05


# Commercial

# t-BUTYL HYDROPEROXIDE*




**GENERAL DESCRIPTION**

*t*-Butyl Hydroperoxide is a new, organic, alkyl peroxide which offers extremely interesting possibilities. It is standardized at a concentration of 60% (10.66% available oxygen). Use of the proper activators increases the rate of release of the oxygen.

**SUGGESTED USES**

1. As a catalytic agent in one or two phase polymerizations. **(*t*-Butyl Hydroperoxide has proved to be an excellent catalyst for polymerizing Styrene, as well as certain Elastomers such as Buna S.)**
2. As a drying accelerator in oils, paints, varnishes, etc.
3. As a combustion accelerator for heavy fuel oils used in Diesel engines.
4. As an accelerator in the curing of synthetic resins.
5. As an accelerator in the vulcanization of certain synthetic rubbers.
6. As an oxidation agent for laboratory purposes.

**PROPERTIES**

| | | |
|---|---|---|
| *Molecular Weight* | | 90 |
| *Specific Gravity* | @ 25° C. (60% concentration) | 0.859 |
| *Boiling Point* | " | 82–83° C. |
| *Freezing Point* | (60% concentration) | −30° C. |
| *Flash Point* | " | 18.3° C. |
| *Refractive Index @ 25° C.* | " | 1.3960 |
| *Available Oxygen* | " | 10.66% |
| *Color* | " | Water White |
| *pH of 1 part 60% Conc. in 10 parts water* | | 4 |
| *Stability* | | Completely stable up to 76.6° C. |
| *Solubility:* | 60% concentration in water | 11% |
| | Water in 60% concentration | 5% |
| | In short chain aliphatics | Excellent |
| | In aromatics | Excellent |

**ACTIVATORS**

Hydroquinone and other similar organic reducing agents have proved to be efficient secondary catalysts in polymerization reactions (when used in quantities up to 0.1% of *t*-Butyl Hydroperoxide), greatly increasing the efficiency of polymerization. When use requires quick release of oxygen, the same proportions of Hydroquinone mentioned above have proved efficient.

• • •

**For experimental samples of this interesting new peroxide, write the Union Bay State Chemical Company, Peroxide Division, 50 Harvard St., Cambridge 42, Massachusetts.**

U.S. PATS. 2176407 & 2223807

UBS

UNION BAY STATE
*Chemical Company*

*Serving Industry with Creative Chemistry*

ORGANIC CHEMICALS · SYNTHETIC LATEX · SYNTHETIC RUBBER
PLASTICS · INDUSTRIAL ADHESIVES · DISPERSIONS
ATING COMPOUNDS · IMPREGNATING MATERIALS · COMBINING CEMENTS

Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
Carvol, bots.....lb.22.50 -23.00
Cascara sagrada bark, bulk....lb. .31 - .32
Case hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1,6] domestic, acid-precip., bgs., 100 bgs. or more, shtp't point..lb. .24 - —
20 to 99 bgs., same basis..lb. .24¼- —
less than 20 bgs., same basis..lb. .24¾- —
rennet-precip., bgs., 100 bgs. or more, same basis..lb. .25½- —
20 to 99 bgs., same basis.lb. .25¾- —
less than 20 bgs., same basis, lb. .26¼- —
imported, bgs., 100 lbs. or more, f.o.b. source..lb. .09¼- .10
Cassia,[1] Bavaria, No. 1, thin quill, bls..lb. .60 Nom.
regular, bls.....lb. .58 Nom.
shortstick .....lb. .53 Nom.
broken .....lb. .51 Nom.
China, bls.....lb. .60 Nom.
rolls, select, bls.....lb. .53 Nom.
broken, bls.....lb. .52 Nom.
Saigon, all medium, bls.....lb. .61 Nom.
all thin, bls.....lb. .62 Nom.
Cassia fistula, bakts.....lb. .23 - .24
Castor beans, f.o.b. Brasilian ports..long ton.75.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works... unit-ton. 2.90 - —
Castoreum, nat., cns.....lb.12.50 -13.00
synth., bots.....lb.19.00 - —
Catechol, CP, cryst., works, flb. dms., tins..lb. 2.25 - 2.40
resublimed, frt alld. E. of Miss., dms..lb. 3.50 - —
Catnip, bls.....lb. .30 - .35
Celery seed,[1] Indian, bgs.....lb. .23 - .23½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - .35
granules, ctns., same basis..lb. .35 - —
Triacetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs, works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
smaller lots, bgs., same basis..lb. 2.00 - —
Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 - —
rubbermakers, bgs., c.l., works. ton.30.00 - —
Chamomile, Hungary type, cs..lb. .55 - .65
Roman, bls.....lb. 3.25 Nom.
Charcoal, pinewood,[1,6] gran., pulv., bgs., c.l., f.o.b. producers' plants in South..ton.30.20 - —
l.c.l., same basis.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works..lb. .0285- .0370
tanks, works.....lb. .0225- .0310
powdered, 65% tannin.....lb. .065 - .0715
Chillies (see Pepper, red).

China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.16.00 - —
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., wks. ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet grd., silkboit, 99.9%, 325 mesh, bulk, c.l., works. ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse.. ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .96
dms. .....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
Chlorine,[6,5,6] liquid, cyls., c.l.lb. .05¼- —
contracts .....lb. .05½- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald.... 100 lbs. 2.00 - —
2, works, frt. equald.100 lbs. 2.50 - —
1, works, frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .25
USP, dms.....lb. .30 - .33
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 8%, bbls., cs.....lb. .07¼- —
7½%, bbls., cs.....lb. .06¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Ore,[1] residue, paper bgs., c.l., works...ton.15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bot.....lb. 6.65 - 6.69
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.
broken, bgs.....lb. .19 Nom.
yellow, quill, bgs.....lb. .19 Nom.
Cinchonidine,[6] small, cryst., cns., 100 oz. .80 + .13¼*
sulphate, NF, cns., 100 ozs..oz. .89 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs..oz. .62 + .13¼*
large cryst., cns., 100 ozs.oz. .66 + .13¼*
Sulphate, NF, cns., 100 ozs..oz. .42 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of natural business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, bots.....lb. 3.70 - 3.80
dms. .....lb. 3.50 - 3.60
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms .....lb. 2.00 - 3.00
Cinnamon,[1] Ceylon, 2, bls.....lb. .53 - .53¼
No. 2, bls.....lb. .52 - .53
chips, bgs.....lb. .56 Nom.

Citral, bots., cns.....lb. 2.85 - 4.75
Citrine ointment,[2] jars.....lb. .96 - 1.18
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 7.00
Cloves,[1] Zanzibar.....lb. .17¼- .17¾
Clover tops, red, bgs.....lb. .42 - .50
Coaltar, coal-gas, crude, bbls l.c.l., works..bbl. 8.75 - —
c.l., works.....bbl. 8.25 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works...bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
ref., dms., c.l., works..dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .83¾- —
feed grade, 49.5% Co., kgs.lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.58 - —
feed grade, 23% Co., kgs...lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co., kgs., lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 42% Co., kgs..lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Naphthenate, 6% Co., 50-gal. dms..lb. .31 - —
Nitrate, feed grade, 20.4% Co., kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] blacks, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co., kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co., 105-lb. dms..lb. .38¼- —
Soyate, 8%-8.5% Co., 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co., kgs.lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.
Cobalt-ammonium sulphate, 14% Co., kgs..lb. .75 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
silver, Teneriffe, bgs.....lb. .38 - .39
Cocoa butter,[1] bulk, ship't pt..lb. .25 - —
Cocillana bark, bgs.....lb. .28 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .20
blue, bls.....lb. .18 - .20
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .23 - .25½
flexible, USP, dms.....lb. .21 - .22
cns. .....lb. .25 - .31
Colocynth pulp, bls.....lb. .75 - .80
Colombo root, bls.....lb. .14 - .15
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Condurango bark, bgs.....lb. .12 - .15
Conium leaves, bls.....lb. 1.18 - 1.20
Copaiba balsam, Peru, cns...lb. .47 - .49
S. A., USP, cns.....lb. .50 - .53
Copper acetate,[6] cupric, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - .50
Carbonate,[6] 52-54%, bbls....lb. .19½- .20
Chloride,[6] anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17
Cyanide,[6] tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1,6,5] electrolytic.....lb. .12 - .12¾

Copper naphthanates, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate, tech., cryst., bbls...lb. .16¾- .20
Oleate, precip., bbls.....lb. .22½- .23½
Oxide,[6] black, bbls., works..lb. .19 - .28
red, com'l, kgs.....lb. .20 - .22
Oxychloride-sulphate, bgs....lb. .17 - .20
Resinates, precip., 8.3% Cu, 125-lb. dms..lb. .15½- —
Sulphate,[1,6] 99% cryst., bbls., c.l., works..100 lbs. 5.00 - —
7,200 to 36,000 lbs...100 lbs. 5.15 - —
2,700 to 7,200 lbs....100 lbs. 5.25 - —
700 to 2,700 lbs.....100 lbs. 5.50 - —
monohydrated, dealers, dms., c.l., works..100 lbs. 8.95 -10.05
bags in drums.....100 lbs. 9.95 -10.95
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25, wks.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship't.....lb. No prices
Coriander seed,[1] Indian, bgs..lb. No stocks
Morocco, bgs.....lb. No stocks
Cornsilk, bls.....lb. .22 - .28
Corn sugar, tanners',[6] chipped, bgs., c.l., dlvd..100 lbs. 3.60[5] - —
slabs, bbls., c.l.....100 lbs. 3.52[5] - —
Syrup, 42°, bbls., c.l....100 lbs. 3.68[1] - —
43°, bbls., c.l.....100 lbs. 3.73[1] - —
Corrosive sublimate,[2] cryst., dms., 50 lbs. or more..lb. 2.24 - —
gran., powd., dms., 50 lbs. or more..lb. 2.09 - —
Cottonroot bark, bls.....lb. .18 - .19
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.00 - —
Meal, 41%, mills.....ton.45.00 - —
Coumarin,[1] cns., makers, primary dist.lb., 5 lbs. or more..lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .60 - .65
Cranesbill root, bls.....lb. .18 Nom.
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .57½- —
smaller lots, bbls.....lb. .58 - —
kgs. .....lb. .58¼- —
Creosote carbonate, bots., cbys. lb. 2.10 - 2.35
Coaltar, oil,[6] crude, tanks, works..gal. .15½- —
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots.....lb. 1.04 - —
cbys., dms.....lb. .85 - —
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[3,6] special resin grades, dms., c.l., works, frt. equald..lb. .09¼- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., works, freight equald..lb. .10¾- .11¼
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., 100 lbs. 9.50 - —
smaller lots.....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
smaller lots, works.....lb. .09¼- —
Cube root,[7,6] powd., 5% rotenone, bbls..lb. .35 - —
4% rotenone prices are 4c. per lb. less.
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs..... .....lb. No stocks


SPOT DELIVERIES

POTASH ALUM

Lactic Acid 50% Edible

Oxalic Acid

Zinc Sulfate

Dicalcium Phosphate Food Grade

Heavy Calcined Magnesia

SILVER SALT

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Quiver's root, bls.....lb. .27 - .28
Jumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cyanamide,[8,9] fertilizer mixing grade, guaranteed 21% N, pulv., bgs., Niagara Falls, Ont., contracts.....unit-ton. 1.52½- -
20.6% N., gran., bulk, same basis..unit-ton. 1.62½- -
Cyclohexane, 98-100%, wks...lb. .14 - .16
tech., dms., c.l., frt. alld. E..lb. .10½- -
l.c.l., frt. alld. E.....lb. .11 - -
tanks, frt. alld. E.....lb. .09½- -
Cyclohexane prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. nugher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.
Cyclohexanol, 98-100%, wks...lb. .21 - .23
Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - -
l.c.l., frt. alld. E.....lb. .30½- -
tanks, frt. alld. E.....lb. .29 - -
Cyclohexanone prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.
Cyclopropane, USP, cyls., dlvd.. gal. .27 - -

## D

Damiana leaves, bls.....lb. .14 - .15
Dandelion root, bls.....lb. .26 - .33
Decanol,[6] normal, tech., dms., dlvd..lb. .25 - -
Deertongue, bls.....lb. .21 Nom.
Defluorinated phosphate,[1] paper bgs., works..ton.34.25 - -
Degras,[1,6] common, bbls.....lb. .10 - .13
neutral, bbls.....lb. .27½- .30
Derris root,[2,6] powd., 5% rotenone, bbls..lb. .35 - -
4% rotenone prices are 4c. per lb. less.
Dextrin, British gum, bgs., c.l., 100 lbs. 5.29 - -
Chicago .....100 lbs. 4.93 - -
l.c.l. .....100 lbs. 5.39 - -
Chicago .....100 lbs. 5.03 - -
Corn, canary, bgs., c.l..100 lbs. 5.04 - -
Chicago .....100 lbs. 4.68 - -
l.c.l. .....100 lbs. 5.14 - -
Chicago .....100 lbs. 4.78 - -
white, bgs., c.l.....100 lbs. 4.97 - -
Chicago .....100 lbs. 4.61 - -
l.c.l. .....100 lbs. 5.07 - -
Chicago .....100 lbs. 4.71 - -
Potato, bgs., c.l.....lb. .10 - -
l.c.l. .....lb. .10¼- .11¼
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 6.00 - 7.00
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms.. works.lb. .25 - -
Diamylamine, dms., c.l., wks..lb. .61 - -
l.c.l., works.....lb. .64 - -
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - -
l.c.l. .....lb. .21 - -
Diatomaceous earth, dom., chemically pure, bgs., c.l., Atlantic Coast..lb. .07 - -
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific Coast, ton.22.00 -25.00
l.c.l., ex whse..... ton.45.00 - -
purified, bgs., c.l., Atlantic Coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
Imported, Algerian, bgs., c.l., ton. No prices
Mexican, white, bgs., c.l., l.c.l. .....lb. .04 - .06
c.l.f..lb. .02 - .03
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2610- -
1-gal. cns., same basis..lb. .2810- -
dms., returnable, c.l., same basis..lb. .2040- .2450
l.c.l., same basis.....lb. .2090- .2500
tanks, same basis.....lb. .1940- .2350
Sebacate, dms., works.....lb. .497 - .517
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works, lb. .61 - -
l.c.l., works.....lb. .64 - -
Dichloroethyl ether,[6] dms., c.l., works..lb. .15 - -
l.c.l. .....lb. .16 - -
tanks .....lb. .14 - -
Diethyl carbonate, com'l, dms.lb. .25 - -
refd., 99%, dms.....lb. .30 - -
Oxalate, dms., c.l., dlvd.....lb. .3020- -
l.c.l., dlvd.....lb. .3070- -
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l. .....lb. .2075- .2170
tanks .....lb. .1925- .2050
Sulphate, dms., c.l., works..lb. .15 - -
..c.l., works.....lb. .14 - -
tanks .....lb. .12 - -
Diethylamine, dms., c.l., works, lb. .76 - -
l.c.l., works.....lb. .81 - -
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R..lb. .75 - -
Diethylaniline, dms.....lb. .40 - -
Diethyleneglycol,[6] d m s., c.l., works..lb. .14 - -
l.c.l., works.....lb. .15½- -
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether[6], dms., c.l., works..lb. .14½- -
l.c.l., works.....lb. .15½- -
tanks, works.....lb. .13¼- -
Digitalis leaves, dms.....lb. .60 - .66
Digilycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - -
Stearate, bbls., c.l.....lb. .22 - -
Di-isobutyl ketone, dms., works, lb. .19 - -
Dillseed, cleaned, bgs.....lb. No stocks
dewhiskered, bgs.....lb. No stocks
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .1875- -
l.c.l., dlvd.....lb. .1925- -
tanks, dlvd.....lb. .1775- -
Dimethylamine, dms., c.l.....lb. .85 - -
l.c.l., dlvd.....lb. .90 - -
Dimethylanilin, dms., c.l.....lb. .23 - -
l.c.l., dms.....lb. .24 - -
Dinitrobenzene, bbls., 99° min.lb. .18 - -
Dinitrochlorobensene, dms.....lb. .14 - -
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - -
Dinitrotoluene, dms.....lb. .13 - -
oily, dms.....lb. .05 - -
Diorthotoluolguanidin,[6] dms., tons, dlvd..lb. .44 - -
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld...lb. .20 - -
l.c.l., same basis.....lb. .21 - -
tanks, same basis.....lb. .19 - -
Dip oil (see Tar acid oil).
Dipentene, dms., works.....gal. .54 - .58
tanks .....gal. .52 - -
dest., dist., dms.....gal. .55 - .56
tanks .....gal. .45 - -
Diphenyl, bbls., c.l., works...lb. .15 - -
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns..lb. .45 - .50
dms. .....lb. .45 - .45
Diphenylamine,[6] bbls.....lb. .25 - -
Diphenylguanidin,[6] dms., tons, lb. .35 - -
smaller lots.....lb. .36 - .37
Dimethylethyl carbinol (see Carbinol).
Divi-divi,[6] bgs., ex dock.....ton.65.00 -70.00
Doggrass root, imp., cut, NF, bls..lb. .50 - .55
dom., bls.....lb. .36 - .45
Dogwood bark, Jamaica, bls..lb. .15 - .20
Dover's powder, USP, cns....lb. 2.75 Nom.
Dragon's blood, reeds, cs.....lb. .85 - .90
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns.lb.13.50 - -
FD&C blue, No. 2, cns....lb.13.50 - -
Green, FD&C green, No. 1, cns. lb.13.50 - -
FD&C green, No. 2, cns..lb.17.50 - -
FD&C green, No. 3, cns..lb.27.50 - -
Orange, FD&C orange, No. 1, cns..lb. 2.90 - -
FD&C orange, No. 2, cns..lb. 3.65 - -
food, drugs and cosmetics:—
Red, FD&C red, No. 1, cns..lb. 6.00 - -
FD&C red, No. 2, cns.....lb. 3.12 - -
FD&C red, No. 3, cns.....lb.17.50 - -
FD&C red, No. 4, cns.....lb. 5.75 - -
FD&C red, No. 2, cns.....lb. 4.15 - -
Yellow, FD&C yellow, No. 1, cns..lb. 3.80 - -
FD&C yellow, No. 3, cns..lb. 2.65 - -
FD&C yellow, No. 4, cns..lb. 2.65 - -
FD&C yellow, No. 5, cns..lb. 3.15 - -
FD&C yellow, No. 6, cns..lb. 3.15 - -
Dyes, coaltar (certified colors) for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 6.55 - -
Blue, D&C blue, No. 6.....lb.13.50 - -
Brown, D&C brown, No. 1, cns. lb.12.85 - -
Dyes, coaltar (certified colors) for drugs and cosmetics:—
Green, D&C green, No. 5, cns. lb.12.85 - -
D&C green, No. 6, cns.....lb.12.55 - -
Orange, D&C orange, No. 4, cns..lb. 3.95 - -
D&C orange, No. 4, cns....lb.12.85 - -
D&C orange, No. 10, cns...lb.15.95 - -
D&C orange, No. 11, cns...lb.17.35 - -
Red, D&C red, No. 5.....lb. 6.00 - -
D&C red, No. 17.....lb. 3.25 - -
D&C red, No. 19.....lb.12.35 - -
D&C red, No. 19 cns.....lb.15.95 - -
D&C red, No. 22, cns.....lb. 3.35 - -
D&C red, No. 33, cns.....lb.12.35 - -
D&C red, No. 37, cns.....lb.12.35 - -
Yellow, D&C yellow, No. 7, cns..lb. 3.25 - -
D&C yellow, No. 8, cns.....lb. 3.35 - -
D&C yellow, No. 11, cns...lb.10.35 - -
Dyes, coaltar (certified colors), for external use, drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.85 - -
Green, Ext. D&C green, No. 1, cns..lb.12.85 - -
Red, Ext., D&C red, No. 1, cns..lb.10.35 - -
Ext. D&C red, No. 3.....lb.21.35 - -
Ext. D&C red, No. 8.....lb. 7.25 - -
Ext. D&C red, No. 10, cns.lb.12.35 - -
Ext. D&C red, No. 13, cns.lb.12.35 - -
Yellow, Ext. D&C yellow, No. 1, cns..lb. 3.35 - -
Dyes, coaltar, for general uses[6] (numbers are those of Colour Index Scale):—
26 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .80 - 1.00
58 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .50 - .60
180 Fast red VR.....lb. 1.50 - 1.90
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd...lb. 2.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast Cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .35 - .43
304 Paper yellow.....lb. .33 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet...lb. 2.00 - 2.25
348 Chrysophenin G.....lb. .36 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .30 - .35
401 Developed black BHN. lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .75
420 Direct brown M.....lb. .55 - .57
448 Benso purpur.e 4B..lb. .65 - .00
495 Benso purpurin 10B..lb. .40 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
515 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
639 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .75
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble) lb. .35 - .50


Boost Production at less cost with

DU PONT "HY-CAP" MILORI BLUES

**You'll save time and reduce cost** by adopting Du Pont "Hy-Cap" Milori Blues.

**B-197-D red shade—low oil absorption**
**B-216-D green shade—high oil absorption**

Du Pont "Hy-Cap" Milori Blues mix quickly to lump-free pastes, grind easily to smooth, uniform products of excellent working properties . . . products of high strength, which your customers can't fail to appreciate.

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DU PONT
REG. U. S. PAT. OFF.

DU PONT "HY-CAP" COLORS FOR ECONOMY

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

**Dyes, coaltar, for general uses (numbers are those of Colour Index Scale):—**

| | | | |
|---|---|---|---|
| 1177 | Indigo, 20% paste | lb. | .15 - .18 |
| | Benzo fast black L | lb. | .90 - 1.00 |
| | Sulphur black | lb. | .20 - .25 |
| | Sulphur blue | lb. | .45 - 1.00 |
| | Sulphur brown | lb. | .25 - .50 |
| | Sulphur maroon | lb. | .40 - — |
| | Sulphur tan | lb. | .30 - .50 |
| | Sulphur olive | lb. | .25 - .84 |
| | Sulphur yellow | lb. | .30 - .50 |
| | Zambesi black | lb. | .75 - .80 |

**Black:—**

| | | | |
|---|---|---|---|
| 865 | Nigrosin derivatives | lb. | .36 - .44 |

**Blue:—**

| | | | |
|---|---|---|---|
| 7075 | Alizarin astral base | lb. | 15.00 - — |
| 1078 | Alizarin cyanin, green base | lb. | 6.00 - — |

**Brown:—**

| | | | |
|---|---|---|---|
| | Brown | lb. | 1.15 - — |

**Green:—**

| | | | |
|---|---|---|---|
| 1078 | Alizarin cyanin green | lb. | 5.00 - — |
| | Green | lb. | .75 - — |

**Orange:—**

| | | | |
|---|---|---|---|
| 24 | Sudan I | lb. | .75 - — |
| | Red shade | lb. | .75 - — |

**Red:—**

| | | | |
|---|---|---|---|
| 75 | Sudan II | lb. | 1.05 - — |
| 258 | Sudan IV | lb. | .95 - — |
| 880 | Oil violet | lb. | .50 - — |
| 749 | Rhodamine B (oil pink) | lb. | 2.50 - — |
| 1080 | Anthraquinone,[6] violet base | lb. | 6.00 - — |

**Yellow:—**

| | | | |
|---|---|---|---|
| 15 | Amidoazobenzene yellow | lb. | .90 - — |
| 17 | Amidoazotoluene yellow | lb. | .75 - — |
| 61 | Yellow OB | lb | 1.40 - 2.00 |

**Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).**

**Black:—**

| | | | |
|---|---|---|---|
| 246 | Naphthol blue black | lb. | .50 - — |
| 729 | Victoria blue B | lb | 1.85 - — |
| 861 | Indulin | lb | .87 - — |
| 873 | Methylene gray | lb. | 1.50 - — |
| 909 | New blue F | lb. | 1.20 - — |
| 922 | Methylene blue | lb. | 1.00 - — |
| 1064 | Alizarin saphirol B | lb. | 1.90 - — |
| 1180 | Indigotin IA | lb. | .85 - — |

**Blue:—**

| | | | |
|---|---|---|---|
| 714 | Patent blue A | lb. | 1.05 - 1.10 |

**Brown:—**

| | | | |
|---|---|---|---|
| 231 | Bismarck brown G | lb. | .47 - .62 |
| 254 | Resorcin brown Y | lb. | .65 - — |
| 235 | Resorcin dark brown R | lb. | .66 - — |
| 332 | Bismarck brown R | lb. | .47 - .62 |
| 793 | Phosphin | lb. | 4.00 - — |

**Green:—**

| | | | |
|---|---|---|---|
| 5 | Naphthol green B | lb. | 1.00 - — |
| 657 | Malachite green | lb. | 1.35 - — |
| 662 | Brilliant green | lb. | 2.00 - — |
| 664 | Guinea green B | lb. | 1.15 - — |
| 787 | Wool green S | lb. | .58 - — |
| 924 | Methylene green B | lb. | 1.55 - — |
| 1078 | Alizarin cyanin green | lb. | 2.00 - — |

**Orange:—**

| | | | |
|---|---|---|---|
| 10 | Chrysoidin G | lb. | .44 - — |
| 21 | Chrysoidin R | lb. | .41 - — |
| 27 | Orange G | lb. | .50 - — |
| 31 | Amidonaphthol red G | lb. | .42 - — |
| 37 | Amidonaphthol red 6B | lb. | .68 - — |
| 151 | Orange Y | lb. | .31 - .33 |
| 161 | Orange R | lb. | .34 - — |

**Red:—**

| | | | |
|---|---|---|---|
| 79 | Ponceau R | lb. | .45 - — |
| 98 | Fast red B | lb. | 1.05 - — |
| 176 | Fast red A[6] | lb. | .54 - — |
| 179 | Azorubin | lb. | .60 - — |
| 183 | Crocein scarlet 3BX | lb. | .72 - .75 |
| 185 | Cochineal red A | lb. | .60 - — |
| 252 | Brilliant crocein M | lb. | .68 - — |
| 677 | Fuchsin | lb. | 2.10 - — |
| 749 | Rhodamine B | lb. | 3.50 - — |
| 752 | Rhodamine 6B | lb. | 4.50 - — |
| 768 | Eosin G | lb. | 1.80 - — |
| 841 | Safranin | lb. | 1.45 - — |

**Violet:—**

| | | | |
|---|---|---|---|
| 680 | Methyl violet B | lb. | .70 - .75 |
| 681 | Crystal violet C | lb. | 1.75 - — |
| 695 | Acid violet 4BN | lb. | .88 - — |

**Yellow:—**

| | | | |
|---|---|---|---|
| 10 | Naphthol yellow S | lb. | .83 - — |
| 138 | Metanil yellow | lb. | .56 - .58 |
| 636 | Fast light yellow | lb. | 1.25 - — |
| 639 | Xylene light yellow | lb. | 1.15 - — |
| 640 | Tartrazin | lb. | .80 - — |
| 656 | Auramine | lb. | 1.27 - — |

**Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).**

**Black:—**

| | | | |
|---|---|---|---|
| 844 | Nigrosin | lb. | .36 - .44 |

**Blue:—**

| | | | |
|---|---|---|---|
| 860 | Indulin | lb. | .60 - .70 |

**Brown:—**

| | | | |
|---|---|---|---|
| 331 | Bismarck brown | lb. | 1.50 - — |

**Green:—**

| | | | |
|---|---|---|---|
| 657 | Malachite green base | lb. | 2.00 - — |

**Orange:—**

| | | | |
|---|---|---|---|
| 20 | Chrysoidin G | lb. | .95 - — |
| 21 | Chrysoidin R | lb. | .96 - — |

**Red:—**

| | | | |
|---|---|---|---|
| 677 | Fuchsin, magenta, base | lb. | 7.25 - — |
| 749 | Rhodamine B | lb. | 4.75 - — |

**Yellow:—**

| | | | |
|---|---|---|---|
| 97 | Amidoazotoluene yellow | lb. | .75 - — |
| 655 | Auramine | lb. | 2.00 - — |
| 800 | Chinolin yellow SS | lb. | 2.00 - — |

**Violet:—**

| | | | |
|---|---|---|---|
| 680 | Methyl violet base | lb. | .85 - — |

**Dyes, natural (see name of article).**

## E

| | | | |
|---|---|---|---|
| | Echinacea root, bls. | lb. | No stocks |
| | Egg[1] albumen (see Albumen). | | |
| | Yolk, dried, dom. | lb. | 1.05 - 1.15 |
| | imported | lb. | No stocks |
| | Elder flowers, bright, bls. | lb. | .59 - .60 |
| | Elecampane root, bls. | lb. | .18 - .19 |
| | Elm bark, grinding, bls. | lb. | .16 - .18 |
| | powd., bbls., bxs. | lb. | .25 - .26 |
| | select, bndls. | lb. | .25 - .26 |
| | Emetine hydrochloride, bots. | oz. | 21.00 - 33.00 |
| | Ephedra, bls. | lb. | .21 - .22 |
| | Ephedrine, natural, USP, anhydrous, bots. | oz. | 1.15 - 1.65 |
| | Hydrochloride or sulphate, tins. | oz. | .95 - 1.45 |
| | synthetic, USP, anhyd., bots., 100 ozs. | oz. | .65 - — |
| | Hemihydrate, bots., 100 ozs. | oz. | .65 - — |
| | Hydrochloride, tins, 100 ozs. or more | oz. | .50 - — |
| | Sulphate, cryst., tins, 100 ozs. or more | oz. | .48 - — |
| | Epinephrine, synth., USP, bots., gram. | | .75 - — |
| | Epsom salt, tech., bgs. | 100 lbs. | 1.80 - — |
| | bbls. | 100 lbs. | 1.90 - — |
| | USP, cryst., bgs., c.l. | 100 lbs. | 2.00 - — |
| | l.c.l., 5,000 lbs., 1 withdrawal | 100 lbs. | 2.25 - — |
| | smaller lots | 100 lbs. | 2.50 - — |
| | bbls., c.l. | 100 lbs. | 2.10 - — |
| | l.c.l., 5,000 lbs., 1 withdrawal | 100 lbs. | 2.35 - — |
| | smaller lots | 100 lbs. | 2.60 - — |
| | smaller lots | 100 lbs. | 2.85 - — |
| | dried, bgs., l.c.l. | lb. | .08 - .09 |

Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

| | | | |
|---|---|---|---|
| | Ergot, USP, dms. | lb. | 1.40 - 1.45 |
| | Escerine, bots. | os. | No prices |
| | Sulphate, 1-gram vials | vial | 2.10 - — |
| | Ether, acetic (see Ethyl acetate). | | |
| | Amyl (see Amyl ether). | | |
| | Butyl, l.c.l., dms., divd. | lb. | .30 - — |
| | Ethyl (see Ether, sulphuric). | | |
| | Nitrous, conc., bot., 100 lbs. | lb. | .92 - 1.10 |
| | Sulphuric, conc., dms. | lb. | .11 - .16 |
| | USP, anesthesia, hospitals, 1-lb. cns. | lb. | .60 - .61 |
| | synthetic, dms., c.l., works | lb. | .14½- — |
| | l.c.l., works | lb. | .15½- — |
| | tanks | lb. | .12½- — |
| | Ethyl acetate,[2,6] 85-90%, dms., c.l., frt. alld. | lb. | .1170- .1275 |
| | l.c.l., frt. alld. | lb. | .1220- .1325 |
| | tanks, frt. alld. | lb. | .1070- .1175 |
| | 95-98%, dms., c.l., frt. alld. | lb. | .1225- .1385 |
| | l.c.l., frt. alld. | lb. | .1275- .1385 |
| | tanks, frt. alld. | lb. | .1135- .1235 |
| | NF, dms. | lb. | .14½- .15½ |
| | Acetoacetate, dms., c.l., wks. | lb. | .87½- — |
| | l.c.l., frt. alld. | lb. | .93 - — |
| | Benzoate, bots. | lb. | .90 - 1.00 |
| | Bromide, tech., dms. | lb. | .50 - .55 |
| | Carbamate, dms., divd. E | lb. | .88 - — |
| | Chloride, dms. | lb. | .18 - .20 |
| | Ethyl, cinnamate, cns. | lb. | 3.25 - 3.85 |
| | Formate, cns., dms. | lb. | .27½- .30 |
| | Iodide, bots. | lb. | 3.50 - 3.60 |
| | Lactate, dms., works | lb. | .33½- .39½ |
| | Myristate, ms., works | lb. | .55 - — |
| | Oenanthate, dms. | lb. | .75 - 1.25 |
| | Oleate, dms., works | lb. | .47 - — |
| | Oxalate, dms., frt. alld. | lb. | .33 - — |
| | Silicate, l.c.l., dms., works | lb. | .77 - — |
| | Ethylcellulose,[6] standard, pkgs., 5,000 lbs or more, works | lb. | .50 - — |
| | smaller lots, same basis | lb. | .52 - .60 |
| | Ethyldiethanolamine, dms., l.c.l., works | lb. | .80 - — |
| | Ethylene dichloride,[6] dms., c.l., works, E. of Rockies, frt. alld. | lb. | .0842- — |
| | West of Rockies, same basis | lb. | .0891- — |
| | l.c.l., works, E. of Rockies, frt. alld. | lb. | .0891- — |
| | West of Rockies, same basis | lb. | .0941- — |
| | tanks, E. of Rockies, same basis | lb. | .0743- — |
| | West of Rockies, same basis | lb. | .0792- — |
| | Ethyleneglycol,[2,6] dms., c.l. | lb. | .10 - — |
| | l.c.l. | lb. | .11 - — |
| | tanks | lb. | .09 - — |
| | Monobutylether,[6] dms., c.l., works | lb. | .16½- — |
| | l.c.l., works | lb. | .17½- .20½ |
| | tanks, works | lb. | .15½- — |
| | Monoethylether, dms., c.l., works | lb. | .14½- — |
| | l.c.l., works | lb. | .15½- .16½ |
| | tanks, works | lb. | .13½- — |
| | Ethyleneglycol, monoethylether acetate, dms., c.l., works | lb. | .11½- — |
| | l.c.l., dms. | lb. | .12½- .18½ |
| | tanks, works | lb. | .10½- — |
| | Monomethylether, dms., c.l., works | lb. | .15½- — |
| | l.c.l., works | lb. | .16½- — |
| | tanks, works | lb. | .14½- — |
| | Ethylethanolamine, dms., c.l., works | lb. | .57 - — |
| | l.c.l., works | lb. | .60 - — |
| | Ethylmorphine hydrochloride, bots. | os. | 10.55 - 10.75 |
| | Ethylidianilin, dms. | lb. | .45 - .47½ |
| | Ethylmonoethanolamine, l.c.l., dms., works | lb. | .80 - — |
| | Ethylvanillin,[3] cns., makers, primary distrib., 5 lbs., or more, | lb. | 5.25 - — |
| | smaller lots | lb. | 5.30 - 5.40 |
| | Eucalyptol, cns., dms. | lb. | 2.50 - 3.00 |
| | Eucalyptus leaves, bls. | lb. | .10 - .13 |
| | Eugenol, cns., dms. | lb. | 2.65 - 3.25 |
| | Euphorbia, bls. | lb. | .12 - .13 |

## F

| | | | |
|---|---|---|---|
| | Feldspar, enamel, 100 mesh, bulk, works | ton. | 14.00 - 17.50 |
| | l.c.l., minimum 2 tons, bgs., | ton. | 17.00 - 20.50 |
| | glass, 20 mesh, bulk, works, | ton. | 9.75 - 12.25 |
| | l.c.l., minimum 2 tons, bgs., | ton. | 12.75 - 16.25 |
| | pottery, bulk, c.l., works | ton. | 17.00 - 19.00 |
| | l.c.l., min. 2 tons, bgs | ton. | 20.00 - 22.00 |
| | Fennel seed, Argentine, bgs. | lb. | No stocks |
| | Indian, bgs. | lb. | .18 - .19 |


WIDE RANGE FLOWABILITY

A VARIETY OF VISCOSITY TYPES TO FIT EVERY JOB

In the preparation of a product, you have undoubtedly often wished for a water soluble colloid available in several different viscosities. Perhaps you wanted a solution much thicker—or considerably thinner—in order to obtain the specific results desired.

To meet your most exacting needs, we have designed Methocel in a wide variety of viscosity types. Selection of the most suitable type is dependent, of course, on results required and manufacturing limitations. Only when the right viscosity is used are maximum economy and efficiency achieved.

This wide-range flowability greatly expands the additional usefulness of Methocel in your operations—and, at the same time, promotes efficiency of application.

METHOCEL

THE INERT WATER SOLUBLE STABILIZER

In the paint industry, Methocel has two outstanding uses: as a protective colloid—and as a thickener. There is a Methocel viscosity type for each of these functions. In general, low viscosity materials are used as protective colloids—tests showing that these types are usually better protective agents than the higher viscosities. When used as a thickener, higher viscosities are ideal—giving required body to the paint.

Methocel is designed for these different jobs. However, individual formulations involve special considerations, a compromise is often desirable—indicating the choice of an intermediate type. Here again, the wide range of Methocel viscosities is a definite advantage. Before adopting a specific Methocel type, we urge you to refer your problem to the Technical Service and Development Division.

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CHEMICALS INDISPENSABLE TO INDUSTRY AND VICTORY

Fenugreek seed, domestic, bgs., lb. .12½- .13
Indian, bgs. lb. .12½- .13
Morocco, bgs. lb. .10½- .11
Ferric sulphate, anhyd., bgs., c.l., works. ton.35.00 - —
l.c.l. ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works. lb. .13½- —
smaller lots, works. lb. .15 - —
water white, cs., 50 lbs. or over, works. lb. .14½- —
smaller lots, works. lb. .17 - —
Fir balsam, Canada, cns. gal.19.00 -20.00
Oregon, bbls. gal. 2.35 - 2.50
Fishberries, bgs. lb. .23 - .24
Fishmeal,[1] grd., 60% protein, bgs., East Coast fish factories. ton.72.50 - —
65% protein, same basis. ton.78.50 - —
Fishscrap, dried, 60% protein, bulk, East Coast. ton.66.50 - —
Flake, white, dom., bbls. lb. .09 - —
kegs lb. .11 - —
Flaxseed, French, black, bgs. lb. .70 - .78
Indian, blonde, bgs. lb. .13 - .16
Fluorspar,[1] No. 1, ground, 96-98%, bulk, c.l., mines. net ton.37.00 - —
washed gravel, 70% or more $CaF_2$, mines. lb.33.00 - —
65% $CaF_2$ mines. lb.32.00 - —
60% $CaF_2$ mines. lb.31.00 - —
less than 60% $CaF_2$ mines, lb.30.00 - —
Formaldehyde,[1,2,6] bbls., c.l., works. lb. .0550- .0575
l.c.l., works. lb. .06 - .0625
dms., c.l., works. lb. .0515- .0540
l.c.l., works. lb. .0565- .0590
tanks lb. .04 - .04½

Fringetree bark, bls. lb. No stocks
Fuller's earth, dom., powdered, bgs., c.l., Fla., Ga. mines, ton. 8.50 -15.00
Tex. mines ton.12.50 - —
spent, bulk, Bayonne ton. 3.00 - —
Chicago ton. 4.00 - —
imp., English, bgs., c.l., dlvd. N. Y. ton.30.00 -40.00
Furfural,[6] ref., dms., c.l., works, lb. .15 - —
l.c.l., works lb. .17½- .25
tech., dms., contracts, 150,000 lbs. lb. .10 - —
c.l., works lb. .12½- —
l.c.l., works lb. .15 - .20
tanks, works lb. .09 - —
Fusel oil, crude, dms., works. gal. .75 - —
refd., dms., dlvd. lb. .18½- .19½
Fustic, cryst., bbls., No. 1. lb. .32 - —
No. 2. lb. .30 - —
No. 3. lb. .28 - —
extract, bbls., No. 1. lb. .16 - —
No. 2. lb. .15 - —
No. 3. lb. .13½- —

## G

G salt, bbls. lb. 45 - —
Galangal root, bls. lb. .28 - .30
Gambier, cube, Singapore, cases. lb. No stocks
extract, bbls. lb. .09½- .12
Gasoline[1] at refinery, ex tax:—
Arkansas, US motor, 72-74 octane, leaded, tanks. gal. .06 - —
Bayonne, 70 octane, unleaded, tanks. gal. .062 - —
72-74 octane gal. .062 - .064
California, 78 octane, tanks. gal. .075 - —
Gulf Coast, US motor, 72-74 octane, tanks. gal. .05¾- —
80 octane, tanks gal. .06¾- .07

Gasoline, at refinery, ex tax, Group 3, 72-74 octane, tanks. gal. .06½- .07
80 octane, tanks gal. .07¼- .07⅛
natural, 26-70, tanks gal. .04¼- .05
Oklahoma-Texas, US motor, 72-74 octane, tanks. gal. .05½- .06
Pennsylvania, western, U. S. motor 72-74 octane, leaded, tanks. gal. .0845- .08½
Gelatin, silver, cs. lb. .90 - .97
Gelsemium root, bls. lb. .18 - .20
Gentian root, bls. lb. .42 - .45
grd., bbls., bxs. lb. .45 - .49
powd., bbls., bxs. lb. .49 - .50
Geraniol, 92-96%, cns., dms. lb. 3.50 - 4.50
Ginger,[1] African, No. 1, bls. lb. No stocks
Calicut, bgs. lb. .24¾- .25½
Cochin, bleached, bgs. lb. .26¾- .27¼
unbleached, bgs. lb. .25½- .26
Jamaica, No. 1, bgs. lb. .30 - .31
No. 2, bgs. lb. .28 - .29
No. 3, bgs. lb. .27 - .27½
Ginseng root, wild, South, cs. lb. 8.00 - 9.00
Glaubers salt, anhyd. (see Soda Sulphate).
Glauber's salt, cryst., bgs., bbls., c.l., works. lb. 1.05 - 1.25
l.c.l., 5 tons or over, works. 100 lbs. 1.15 - 1.35
less than 5 tons, works. 100 lbs. 1.25 - 1.45
Glue, bone,[5] producers', calcium type, 24 millipoise, 26 jelly-grams, bgs., c.l., East of Midwest. lb. .16 - —
30/58, bgs., c.l., same basis. lb. .15½- —
58/82, bgs., c.l., same basis. lb. .17 - —
82/108, bgs., c.l., same basis. lb. .18½- —
Producers' bone glue l.c.l. prices 1c. over c.l.

Glue, hide, producers,[1,5] 100-121 (jelly test in grams), bgs., c.l., dlvd. lb. .16 - .21½
122-149, bgs., c.l., dlvd. lb. .17 - .22½
150-177, bgs., c.l., dlvd. lb. .18 - .23½
178-206, bgs., c.l., dlvd. lb. .19 - .24½
207-236, bgs., c.l., dlvd. lb. .20 - .25½
237-266, bgs., c.l., dlvd. lb. .21 - .26½
267-298, bgs., c.l., dlvd. lb. .22 - .27½
299-330, bgs., c.l., dlvd. lb. .23 - .28½
331-362, bgs., c.l., dlvd. lb. .24 - .29½
363-394, bgs., c.l., dlvd. lb. .25 - .30½
395-427, bgs., c.l., dlvd. lb. .26 - .31½
428-460, bgs., c.l., dlvd. lb. .27 - .32½
461-494, bgs., c.l., dlvd. lb. .28 - .33½
495-529, bgs., c.l., dlvd. lb. .29 - .34½

Hide glue l.c.l., prices 1c. over c.l. Glue in bbls., ½c. over bgs. Outside prices rule on glues made wholly of imported materials; inside prices on those made with approximately two-thirds domestic and one-third imported materials. Jobbers' prices 2c. to 2½c. over producers'. Chrome and coney glue, 267 or higher jellygram, c.l., 2c. over above prices; below 267 jellygram, 1c. higher. Freight charges above 75c. per 100 pounds may be added.

Glycerin,[1,4,8] CP, BP, 95%, dms., c.l., dlvd. Zones A and C. lb. .18¾- —
l.c.l., same basis. lb. .19¼- —
tanks, same basis. lb. .18¼- —
USP, 95%, dms., c.l., same basis. lb. .18¼- —
l.c.l., same basis. lb. .18¾- —
tanks, same basis. lb. .18 - —
dynamite, high gravity, yellow distilled, dms., c.l., same basis. lb. .18¼- —
l.c.l., same basis. lb. .18¾- —
tanks, same basis. lb. .18 - —

Chemically pure and dynamite glycerin are sold to the U. S. government at prices 1c. lower than above.

saponification, 88%, to refiners, dms., c.l., l.c.l., or tanks, same basis. lb. .12¾- —
to individual users, dms., c.l., same basis. lb. .13¾- —
l.c.l., same basis. lb. .14¼- —
tanks lb. .12¾- —
soaplye, 80%, dms., c.l., l.c.l., or tanks. lb. .11½- —
or tanks. lb. .11⅛- —

Glycerin prices in Zone B, 2c. higher.

Zone A is:—Col., east of but not including these counties:—Costilla, Custer, Douglas, Fremont, Gilpin, Grand, Huerfano, Jackson, Jefferson, and Teller; all points east of and including Kan., Neb., N. Dak., Omaha, S. Dak., Texas, and Laramie county, Wyo. Zone B is territory between zones A and C, as follows:—Ariz., Col., west of and including counties specified above; Nev., New Mex., Ore., east of and including these counties:—Deschutes, Hood River, Jefferson, Klamath, and Wasco; Wash., east of and including these counties:—Chelan, Kittitas, Klichat, Oklanogan, and Yakima.
Zone C, territory west of Zone B.

Glycine, medicinal, bbls., tins. lb. 1.25 - 1.55
Glycol boriborate, dms. lb. .2.. - —
Stearate, dms. lb. .26 - —
Gold of pleasure seed, bgs. lb. No stocks
Gold chloride, acid, brown, bots., oz.20.75 -21.00
yellow, bots. lb.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots. oz.14.50 -14.75
Goldenseal root, bls. lb. 6.00 - 6.25
powd., bxs. lb. 6.25 - 6.50
Grains of Paradise, bgs. lb. .21 - .25
Graphite,[1,6] flake (cryst.), 90%, 325 mesh, 50% graphite, carbon, bgs., c.l., works. lb. .07 - —
bbls., c.l., works. lb. .07¼- —
l.c.l., works. lb. .07½- —
80% passable through 50 mesh screen, 65-80% carbon, bgs., works or whse. lb. .04½- —
70-74%, same basis. lb. .05 - —
75-79%, same basis. lb. .05½- —
80-84%, same basis. lb. .06 - —
85-89%, same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
Grease,[1,6] house, loose. lb. .06¼- —
white, choice, loose. lb. .06¾- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works. lb. 3.75 - —
molybdic, same basis. lb. 3.25 - —
Chrome,[1,9] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .23 - —
11-15%, bbls., same basis. lb. .25 - —
20%, bbls., same basis. lb. .26½- —
21-25%, bbls., same basis. lb. .24 - —
26-30%, bbls., same basis. lb. .26½- —
31-35%, bbls., same basis. lb. .27½- —
36-40%, bbls., same basis. lb. .29 - —
41-45%, bbls., same basis. lb. .30½- —
46-50%, bbls., same basis. lb. .33 - —
reduced color, 5%, bbls., same basis. lb. .06¾- —
9-10%, bbls., same basis. lb. .07½- —
11-13%, bbls., same basis. lb. .08 - —
14-16%, bbls., same basis. lb. .08¼- —
17-19%, bbls., same basis. lb. .08½- —
20-21%, bbls., same basis. lb. .08¾- —
22-23%, bbls., same basis. lb. .09 - —
24-25%, bbls., same basis. lb. .09¼- —
26-27%, bbls., same basis. lb. .09½- —
28-29%, bbls., same basis. lb. .10 - —
30-31%, bbls., same basis. lb. .10½- —
32-33%, bbls., same basis. lb. .12 - —
34-35%, bbls., same basis. lb. .13 - —
36-40%, bbls., same basis. lb. .14 - —
41-45%, bbls., same basis. lb. .17 - —
46-50%, bbls., same basis. lb. .17½- —
51-55%, bbls., same basis. lb. .18 - —
56-60%, bbls., same basis. lb. .18½- —
61-65%, bbls., same basis. lb. .19 - —
66-70%, bbls., same basis. lb. .20 - —
71-75%, bbls., same basis. lb. .21 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Oxide,[6] pure, dms., works. lb. .24 - —
Malachite,[1] thioflavin toner, tungstic, bbls., works. lb. 3.50 - —
molybdic, bbls., works. lb. 3.00 - —
Phthalocyanin,[1] green toner, bbls., works. lb. 4.00 - 5.00
tetrahydroxide, bbls. lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs. lb. 3.00 - —
emerald, kgs. lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, green).
Grindelia robusta, bls. lb. .16 - .17
Guaiac resin, cs. lb. .48 - .49
Wood, bls. lb. .06 - .06

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Barium Fluoride
Boron Trifluoride
Chromium Fluoride
Copper Ammonium Fluoride
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Lead Fluoride
Lithium Fluoride
Magnesium Fluoride
Nickel Fluoride
Polyacid Fluorides (e.g. KF . x HF)
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Potassium Fluoride, Anhydrous
Potassium Fluoride, Crystal
Sodium Bifluoride
Sodium Fluoborate
Sodium Fluoride
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# U.S.I. CHEMICAL NEWS

March ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1944

OPD—3-13-1944 17

## Vital War Uses of Butyl Series Continue to Grow

### Solvents, Plasticizers, Reagents Consumed on Big-Tonnage Scale

Consumption of butyl alcohol and its derivatives, long before the war, reached such proportions that no industrial chemist would hesitate to place them well up among the most widely useful products of the organic chemical industry. Nevertheless, war requirements have so accelerated the demand for these chemicals that even today's stepped-up production can do little more than keep pace.

Take a typical bomber, for example. Dibutyl phthalate serves as a plasticizer for the lining of its self-sealing gas tanks. Butyl acetate and butyl alcohol are used as solvents for the lacquers and dopes. Butyric acid helps make the plastics used at a dozen points.

#### Indalone Manufacture

One dramatic example of a butyl compound at work is to be found in the new all-purpose insect repellent which is making such an important contribution to the comfort and safety of our armed forces. Here dibutyl oxalate is used in large quantities as a starting material in the synthesis of Indalone, one of the essential ingredients.

Butyl acetate continues to be used in increasing quantities for high-grade lacquers, where its excellent solvent power and slower evaporation rate are essential. Dibutyl phthalate is one of our most widely used plasticizers, being used with cellulose derivatives, plastics, synthetic resins, and synthetic rubber. Substantial quantities, too, are used for stabilizing smokeless powder.

Maintenance of maximum production of the butyl compounds is another one of the many examples of America's chemical ingenuity. For with the early cutting off of our West Indies molasses supply, it became urgently necessary to switch to new raw materials.

*Courtesy Pan American World Airways*

**One pull and this air-borne life raft is quickly inflated from its "bottle" of liquid $CO_2$.**

## Diethyl Oxalate Suggests New Fields for Research

Supplementing an article on diethyl oxalate in the December 1943 issue of Chemical News, here are some further reactions suggestive of potentially valuable lines of research:

1. Diethyl oxalate reacts with $PCl_5$ to form dichloroethoxyacetoethyl ester. Heated in the presence of palladium black, this ester is decomposed into unaltered oxalate and oxalic ester chloride.

2. Alpha-pyrones, according to a recent patent, are capable of reducing the blood pressure of animals. The patent gives the synthesis of 5-methyl alpha-pyrone as typical:

Propionic aldehyde is condensed with malonic acid in the presence of pyridine to yield 2-pentenoic acid which is then esterified. The resulting ester is condensed with diethyl oxalate in the presence of potassium alcoholate to form the potassium salt of ethyl-4-methyl-5-carbethoxy-5-hydroxy-2,4-pentadiene-1-oate. This is then hydroyzed to the acid, which in turn is heated with acetic acid saturated with hydrogen bromide to form 5-methyl-6-carboxy-alpha-pyrone. The latter, heated with freshly-reduced copper, yields 5-methyl alpha pyrone.

3. If sodium triphenylmethyl is used as the condensing agent, diethyl oxalate reacts with

(*Continued on next page*)

*Official U. S. Navy Photo*

**U. S. Navy pilot and his Dauntless Dive Bomber over Wake Island. His plane, his ammunition, his radio, his instruments . . . all have a butyl chemical somewhere in their background.**

## Drug and Vitamin Syntheses Hinge on Claisen Reactions

### Sodium Ethoxide Finds Widening Utility as Condensing Agent

Although the Claisen type of condensation reaction has been known for many years, it is only comparatively recently that reactions of this type have come into their own in commercial-scale organic synthesis. With every passing month, however, it now becomes increasingly apparent that the Claisen Condensation is one of our most versatile reactions. One measure of the growing utility of this reaction is the increasing demand for sodium ethoxide to serve as the condensing agent.

The simplest "Claisen" is the reaction of 2 mols of ethyl acetate in the presence of sodium ethoxide, to form ethyl acetoacetate. In the production of atebrin, the side chain is formed by the condensation of ethyl acetoacetate with diethyl amino ethyl chloride, again using sodium ethoxide. In the synthesis of vitamin B, two intermediates are formed by Claisen Condensations using sodium ethoxide: acetobutyro lactone and sodium formyl beta-ethoxy ethyl propionate.

Still another example is the preparation of sulfadiazine. Here, large quantities of sodium ethoxide are used to condense ethyl formate with ethyl acetate to form the intermediate, ethyl sodium formyl acetate.

These are a few of the currently significant applications of sodium ethoxide. With the rapidly mounting interest in the production of complex synthetics, the list of uses for this U.S.I. product will doubtlessly multiply.

## *Carotene Extracted from Sweet Potatoes*

Recognizing sweet potatoes as an important potential source of carotene, or provitamin A, government researchers have been investigating possible methods of large-scale extraction. One of these methods, employing acetone, gave a product of 90 per cent purity in a yield of about 39 per cent.

The acetone extraction was carried out in four or five stages, the first two serving to dehydrate the potato pulp but absorbing little carotene. The third and fourth stages, in which a larger volume of acetone was used, extracted most of the carotene which was subsequently crystalized out.

## Retting Cocoanut Fibres Facilitated by Alcohol

Use of small quantities of ethanol to reduce the surface tension of alkaline retting baths serves to assure more uniform treatment of both fine and coarse cocoanut fibres, according to a French-owned patent now vested in the Alien Property Custodian. Shorter exposure of the fibres to the solution and consequent prevention of fibre degradation are cited as a further benefit.

The patent describes a cold retting process in which ethanol is added to the bath in the ratio of 5 parts to 10,000, and pH is maintained above 7.

OPD—3-13-1944 18

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March ★ **U.S.I. CHEMICAL NEWS** ★ 1944

## Butanol Used in Making New "Silicate" Lacquers

For all their valuable resistance to weathering and insolubility in solvents, infusible formaldehyde-urea resins do not come up to porcelain-type resins in hardness, water resistance, and adhesion to glass and ceramic surfaces. By incorporating a silicon compound that remains permanently in the resinous phase of these resins, however, an Ohio patentee finds he can combine the advantages of both types of coating.

The recently-granted patent covers a method of bringing ethyl silicate or ethyl orthosilicate together with water and an alkylated reaction product of formaldehyde and urea in a suitable solvent. In the example given, 25 parts of dimethylol urea dimethyl ether, 50 parts of *n*-butanol, 25 parts of ethyl orthosilicate, ¼ part maleic acid and 0.5 to 7.5 parts of water are warmed to 40 to 50 C to cause complete solution. The resulting lacquer gives a colorless, transparent, extremely hard and smooth coating when baked.

## Penicillin Extraction

The explanation for the current shortage of amyl acetate is to be found in the tremendously stepped-up penicillin program. This solvent has been selected as the most satisfactory for the extraction of the new "wonder" drug from the penicillin notatum mold.

## *New Method Developed for Incorporating Vitamins*

A process for incorporating Vitamins A and D into milk, tea, coffee, pharmaceuticals and other aqueous media is described in a recent patent. A fish-liver oil containing the vitamins is first saponified. The vitamins are extracted by a suitable solvent to form a concentrate from which constituents insoluble in methyl alcohol are removed at a temperature of –20 C. An ethyl alcohol solution of the concentrate is then mixed with the milk or other aqueous liquid to be vitaminized.

A second patent of interest to food and pharmaceutical manufacturers covers the preparation of a vehicle for vitamins such as A, B, C, D and G. It comprises the refluxing of ethyl alcohol for about an hour with a small proportion of gum tragacanth or gum arabic.

## *New Fields for Research*

*(Continued from preceding page)*

ethyl isobutyrate to form ethyl alpha-ethoxalylisobutyrate in 61% yield.

4. Diethyl oxalate condenses with dicarboxylic esters in the presence of sodium:

(a) With ethyl adipate it gives a 50% yield of diethyl cyclohexane–2,3-dione–1,4-dicarboxylate. The by-products are triethyl cyclopentenetricarboxylate, triethyl cyclopentanoltricarboxylate, and ethyl oxaladipate.

(b) With ethyl sebacate it gives triethyl 1-keto-1,2,9 — nonanetricarboxylate which upon distillation loses CO to form ethyl 1,1,8 –octanetricarboxylate, or upon heating with dilute HCl undergoes ketonic decomposition to form alpha-ketononanedicarboxylic acid.

(c) With nonanedicarboxylic ester it gives triethyl 1-keto — 1,2,10 decanetricarboxylate which loses CO upon heating and gives ethyl 1,1,9 nonanetricarboxylate in 30% yield.

(d) With decanedicarboxylic ester it gives triethyl 1-keto — 1,2,11 undecanetricarboxylate which loses CO upon distillation to give ethyl 1,1,10 decanetricarboxylate in 30% yield.

5. Diethyl oxalate condenses in the presence of potassium ethylate with *o*-nitrotoluene to form ethyl *o*-nitrophenylpyroracemate in 75-80% yields, and with *p*-nitrotoluene to form ethyl *p*-nitrophenylpyroracemate in 50-60% yield.

6. Diethyl oxalate condenses with 1-phenyl–3-methyl–5-pyrazolone in the presence of potassium ethylate to give the potassium salt of ethyl 1-phenyl–3-methyl–5-pyrazolone–4-glyoxylate in 90% yield.

7. O-methyl cyclohexanone, reacted with diethyl oxalate in the presence of sodium and alcohol, acidified with sulfuric acid and distilled, gives methylcyclohexenoloxalolacetone.

8. In the presence of Al $Cl_3$, diethyl oxalate condenses with tertiary aromatic amines.

(a) At low temperatures, the product is ethyl dialkylaminophenylglyoxylate.

(b) At higher temperatures, the product is ethyl tetraalkyldiaminophenylglycollate.

(c) At still higher temperatures, the product is ethyl hexaalkyltriaminotriphenylacetate.

These three products are quantitatively decomposed by $H_2SO_4$ at 100-150° to give, respectively, esters of dialkylaminobenzoic acids, tetraalkyldiaminobenzophenones, and hexaalkyltriaminotriphenylcarbinols.

9. Diethyl oxalate condenses with tricarballylic ester, giving triethyl diketopentane-ethylenetricarboxylate in 70% yield.

## TECHNICAL DEVELOPMENTS

*Further information on these items may be obtained by writing to U.S.I.*

**A new wetting agent,** said to possess penetrating and emulsifying properties comparable to oleic acid is offered for use in disinfectants and insecticides. Composed of fatty and rosin acids, the new agent is a by-product of the paper industry.
U S I **(No. 790)**

**Three new bonding adhesives** are being offered for use in joining aluminum, steel, and other metals, as well as ceramics and plastics. Bonds having two or three times the strength of usual riveted joints are said to be easily made. The first adhesive is designed to give maximum strength on materials which can stand baking at 350 F, the second for use at 250 F, the third at 150 F, or lower. **(No. 791)**
U S I

**Dampening Vibration** of pressure gages is the purpose of a compact new throttling device claimed to facilitate reading and prolong the life of gages connected to pulsating air, water, steam, and oil lines Particularly valuable with reciprocating pumps and compressors. Helps keep gages in calibration. U S I **(No. 792)**

**A new corrosion-proofing product,** applied by dip, spray or brush, is reported to dry to a hard, glossy finish in 45 minutes and to be suitable for use in temperatures up to 400 F. Used to protect metals from a wide range of acids and chemicals. Firm also offers heavy, brush-applied product for wood or concrete floors, drains, etc. **(No. 793)**
U S I

**A non-wetting coating** can be applied to ceramics by a newly-developed chemical whose vapors react at the surface to form a submicroscopic, nonvolatile film. Products also has potential applications in paper, glass and other fields. **(No. 794)**
U S I

**Two new organic phosphorous compounds,** thought to have potential uses as lubricating oil additives, soap preservatives, anti-oxidants, fire retardants, and plasticizers have been developed experimentally. U S I **(No. 795)**

**For curing paint,** and similar processes which can be accelerated by application of infra-red rays, a manufacturer has developed gas burners from which practically all radiation is in the form of infra-red rays. U S I **(No. 796)**

**A new water-proofing material,** applied to fabric by dip, is reported to have little effect on tensile strength, and produce no unpleasant odor during processing. U S I **(No. 797)**

**Skin protective creams,** of four types specially formulated to meet specific industrial conditions, are offered in pH's ranging from 6.2 to 7.6.
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Carbonate, fib. dms.....lb. 2.40 - 2.74
Guanidin carbonate,[1] bbls., c.l., works..lb. .67 - —
smaller lots.....lb. .68 - .73½
Guarana, powd., cs.....lb. No prices
Gum ..scroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber, sorts, bgs....lb. .12½- .13
white, sorts, 1, bgs.....lb. .26 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, siam, cs.....lb. 3.00 - 3.50
Sumatra, cs.....lb. .52 - 1.00
Camphor (see C).
Copal,[1] Congo, sorted, No. 30, bgs., c.l., ex dock, whse..lb. .55½- —
31, same basis.....lb. .21½- —
32, same basis.....lb. .15½- —
33, same basis.....lb. .14 - —
34, same basis.....lb. .09½- —
35, same basis.....lb. .15½- —
36, same basis..... .lb. .12½- —
37, same basis.....lb. .16½- —
38, same basis.....lb. .12¼- —
39, same basis.....lb. .10½- —
40, same basis.....lb. .08 - —
41, same basis.....lb. .11½- —
unsorted, No. 1, bgs., c.l., same basis..lb. .14½- —
2, bgs., c.l., same basis.lb. .12½ -
3, bgs., c.l., same basis.lb. .11½- -
FAD, bgs., c.l., same basis. lb. .1.½- —
East India,[1] batu, bold, scraped, bgs., c.l., same basis..lb. .10¼- —
unscraped, same basis.lb. .09 - —
chips, same basis...lb. .13 - —
dust, same basis....lb. .06½- —
batu, bold, unscraped, nubs and chips, same basis..lb. .05¾- —
nubs and chips, same basis..lb. .06¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .12 - —
unscraped, same basis.lb. .07½- —
nubs and chips, same basis..lb. .07½- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..lb. .17¾- —
chips, same basis...lb. .11½- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .13¾- —
Singapore, Rasak, bold, bgs., same basis..lb. .22¾- —
chips, same basis...lb. .11¾- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .16¾- —
Macassar,[1] WS, bgs., c.l., same basis..lb. .11¾- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¼- —
dust, same basis.....lb. .07¾- —
Manila, Boesa[1], hard, bold, amber, light, bakts., c.l., same basis..lb. .18½- —
dark, light, same basis, lb. .14½- —
white, same basis....lb. .15½- —
Loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .12¾- —
C, same basis.....lb. .12¾- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DU, same basis.....lb. .06¾- —
DK, same basis.....lb. .09¼- —
MA, same basis.....lb. .09¾- —
dust, same basis.....lb. .07¾- —
MB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis. lb. .15½- —
dust, same basis.....lb. .07¾- —
whse., entry point, c.l., lb. .08¾- —
Philippine,[1] Manila, extra bold, pale scraped, baks., same basis..lb. .15 - —
bold, pale scraped, same basis..lb. .13 - —
extra pale, bold sorts, same basis..lb. .12¾- —
pale chips, bold, same basis..lb. .13 - —
pale, nubs, WCB, same basis..lb. .12¾- —
small chips, same basis..lb. .11¾- —
SG, same basis.....lb. .10½- —
seeds and dust, same basis. lb. .08¾- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23¾- —
mixed, same basis.....lb. .17¾- —
chips, small, same basis..lb. .13¾- —
cuttings of split, same basis. lb. .19½- —
nubs, same basis.....lb. .13 - —
Gum copal, l.c.l. prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .28¾- —
A/E, same basis.....lb. .25¾- —
B, same basis.....lb. .34½- —
C, same basis.....lb. .29¾- —
D, same basis.....lb. .25¾- —
E, same basis.....lb. .18¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13¾- —
Singapore,[1] No. 1, cs., c.l..lb. .30¾- —
2, bgs., same basis.....lb. .25 - —
No. 1, 2, bgs., same basis.lb. .12¾- —
chips, cs., same basis...lb. .23½- —
dust, bgs., same basis...lb. .13 - —
seeds, cs., same basis....lb. .17¾- —
Gum dammar, l.c.l. prices, ¼c. to ½c. higher.
Elemi,[1] cns.....lb. .09½- .09¾
Ester, ord., dms., c.l., divd., Ill., Ind., Ky., Mich., Mid.-Atl. states, N. England states, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .09½- —
other points, divd....lb. .10 - .11
l.c.l., divd. Ill., Ind., etc., lb. .09¾- .10
other points, divd.....lb. .10½- .12
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .19 - .40
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse.. lb. .18 - —
80%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1 extra, same basis....lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2 extra, same basis....lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis..lb. .35 - —
bright, same basis.....lb. .18 - —
bold, same basis.....lb. .40 - —
chips, same basis.....lb. .22 - —
dark, same basis.....lb. .18 - —

Gum, kauri, white, chips, pale, same basis..lb. .20¾- —
extra, same basis.....lb. .25½- —
dust, pale, same basis....lb. .20¾- —
extra, No. 1, same basis..lb. .45 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior, No. 1, same basis. lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¼- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. 1.25 Nom.
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .50 - .60
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .80
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] cs. — Dark, whse. Scammony, cs. .....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 5.00 - 5.25
No. 2, cs.....lb. 4.50 - 5.00
No. 3, cs.....lb. 3.00 - 3.50
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —

Gypsum, plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald. ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kansas; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton.13.00 - —
New Brighton, N. Y.; Southard, Okla..ton.12.00 - —

## H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 3.25 - 3.35
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. No stocks
Hematine, cryst., bbls., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —

Hematine paste, bbls., No. 1..lb. .14½- —
No. 1..lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract,[1,2] 25% tan, c.l., bbls., works..lb. No stocks
tanks, works.....lb. No stocks
Hempseed, sterilized, bgs.....lb. .13½- .14
Henbane leaves, bls.....lb. 1.35 1.75
Henna leaves, bls.....lb. .17 - .18
powd., bbls., bxs.....lb. .22 - .28
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3, gal. .12¾- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
77°-115°, industrial, dms., c.l., Group 3..gal. .12 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10¼- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....lb. .20 - —
10 gals., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[2] tech., dms., 1,500 lbs. up, Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,500 lbs., same basis, lb. .33 - —
USP, dms., 500 lbs. or more, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
industrial grades, tankcars, Group 3..gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .19 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —

***Even under fire our soldiers get their daily quart of milk!***

Wherever our fighting men go, their K ration kits supply them with their daily milk supply . . . in the form of cheese packed in 4 ounce cans!

It takes 10 pounds of milk (5 quarts) to make one pound of American Cheddar Cheese . . . so each of these 4 ounce cans contains the essential food values of a quart plus an additional glass of milk.

The Plymouth, Wisconsin, Plant of the Lakeshire-Marty Co., Division of The Borden Company, packs millions of pounds of Pasteurized Processed Cheese in sturdy, easy-to-open cans supplied by Crown. In all parts of the world, our fighting forces are getting their "quart of milk each day" . . . in the form of cheese . . . thanks to these Crown Cans that protect the contents from the Wisconsin plant all the way to the front!

One more reason why the men and women of Crown take extra pride in their job of making the containers that serve our fighting men!

CROWN CAN COMPANY, New York • Philadelphia
*Division of Crown Cork and Seal Company,* Baltimore, Md.

★ ★ ★ CROWN CAN

Hexanol, dms., l.c.l., works...lb. .25 - —
Hematropine hydrobromide, bots., oz.27.50 -43.00
Hoefmeal, 17-18% ammon., bulk, Chicago...unit. 4.25 - 4.50
Hops, NF, bls.....lb. .50 - 1.50
Horehound, bls.....lb. .12 - .14
Hydrangea root, bls.....lb. No prices
Hydrastine, bots.....oz.20.00 - —
Hydrochloride, bots.....oz.20.00 - —
Sulphate, bots.....oz.20.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofluramide, dms., fib. cns., works..lb. .80 - .40
Hydrogen peroxide,[6] USP, bbls., lb. .09¾- .04
(for vols., cbys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .15¼
Hydroquinone, bbls., dms.....lb. .90 - .84
Hydroxycitronellal, cns.....lb. 9.75 - 9.00
cans, extra, ret'ables, divd...lb. 4.50 - —
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots.....oz.20.00 -37.50
Hydrobromide, bots.....oz.20.00 -37.50
Sulphate, bots.....oz.20.00 -37.50
Hypernic, cryst., bbls., No. 1...lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .34 - —
No. 2.....lb. .16 - —

# I

Iceland moss, bls.....lb. 1.45 - 1.80
Ichthammol, N.F., bots.....lb. 2.45 - 4.30
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.20
synth., paste, bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.26.50 -27.50
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.07 - —
150-lb. kgs., net.....lb. 1.25¾- —
resubl., 5-lb. bots., jars.....lb. 2.00 - 2.10
Iodoform, 100-lb. dms., kgs...lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ipecac[6] root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .20 - .25
powd., 60-90 mesh, bbls...lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd.....lb. .40 - .50
Iron acetate, liquor, bbls., c.l., divd...lb. .17 - —
l.c.l., divd.....lb. .18 - —
solut., USP IV, 100-lb. cbys., lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), tech., anhydr., 390-lb. dms...100 lbs. 4.85 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald...lb. .06 - .06
kegs, works, frt. alld. or equald...lb. .07½- .08
USP X, cryst., lump, bbls., lb. .07½- —
dms.....lb. .09¼- —
solut., NF, cbys., works, frt. alld. or equald...lb. .06½- .07½
djns.....lb. .10 - —
Citrate, USP VIII, pearls, dms., lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls., 1,000-lb. lots...lb. 3.50 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.63 - —
Hyposulphite, bbls., dms....lb. 1.50 - 1.62
Iodide, bots.....lb. 3.18 - 3.32
syrup, bots., cbys.....lb. .80 - .85
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms.....lb. .05½- .04
Iron oxalate, gran., dms.....lb. .83 - .85
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .45
Oxide, black (see Black iron oxide).
Phosphate, ferric, N.F., pearls, cns...lb. .54 - .57
Pyrophosphate, pearls, cns...lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms., lb. .17½- —
Sulphate, tech. (see Copperas and Ferric sulphate).
USP, cryst., bbls., dms...lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms., lb. .10¼- —
Iron-ammonia citrate, brown, gran., pearls, dms. lb. .32 - .33
scales, dms.....lb. .49 - .52
Oxalate,[6] bbls.....lb. .23½- —
dms., kgs.....lb. .25¾- —
Iron-soda oxalate, bbls., dms..lb. .23½- .26¾
Isoborryl thiocyanoacetate, cbys., dms., extra, works..gal. 4.95 - —
Isobutyl acetate,[6] dms., works.lb. .0850- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isopentane, dms., works.....gal. .45 - .55
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld..lb. .41 - —
l.c.l., E. of Rockies, frt. alld..lb. .11½- .12
tanks, E. of Rockies, frt. alld., lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l.....lb. .06¼- —
tanks.....lb. .04½- —
Isopropylamine, dms., works...lb. .35 - —

# J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .45 - .60
powd., bbls., bxs.....lb. .53 - .58
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Imp. (Juniperus communis), bgs..lb. .70 - —

# K

Kamala, tins.....lb. .42 - .45
Kaolin (see China clay).
Kava kava root, bls.....lb. .23 - .24
Kerosene at refinery:—
Ark., 41-43 w.w., bulk, tanks, gal. .04½- .04¾
Bayonne, 41-43 w.w., tank.. gal. .07¼ - —
Gulf ports, 41-43 w.w., bulk.. gal. .04½- .04¾
Okla.-Texas, 42-44 w.w., tanks..gal. .04⅜- .04⅝
Penn., 45 w.w., tanks....gal. .07½- .08
46 w.w., tanks.....gal. .07¼- .07⅝
47 w.w., tanks.....gal. .07⅜- .08
San Francisco, tanks.....gal. .11½- —
Kola nuts, bgs.....lb. .09 - .10

# L

Lady slipper root, bls.....lb. 1.10 Nom.
Lanolin (see Adeps lanae).
Lard,[1,6] city, tres.....100 lbs.13.50 - —
Western, choice, tres...100 lbs.13.50 - —
Larkspur seed, bgs.....lb. 3.75 - 4.00
Laurel berries, bls.....lb. .25 - .26
Leaves, Cyprus, bls.....lb. .27 - .28
Greek, bls.....lb. .32 - .33
Portuguese, bls.....lb. .20 Nom.
Turkish, bls.....lb. .32 - .33
Lavender flowers, medium, bls.lb. .80 - .85
ordinary, bls.....lb. .42 - .60
select, bls.....lb. .90 - .96
Lead,[1,6] (metal) (see paint market).
Acetate, white, broken, bbls.lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1,6] paste, stand., cns., c.l..lb. .05¾- .06
l.c.l.....lb. .06 - .06¼
powder, basic, 2-lb. bgs. or larger, c.l..lb. .11½- .12
l.c.l.....lb. .12 - .12½
1-lb. ctns., c.l.....lb. .18½- .22½
l.c.l.....lb. .19 - .23
standard, 2-lb. bgs. or larger, c.l..lb. .11 - .11¼
l.c.l.....lb. .11½- .12
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l.....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .22
l.c.l.....lb. .18½- .23¼
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l.....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 95 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., divd. E..lb. .07½- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07⅝- —
l.c.l., divd. E.....lb. .07¾- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .42 - —
Iodide, NF V, powd., bots..lb. 2.85 - —
jars.....lb. 2.95 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metal (see quotations in market report).
Metallic paste, works.....lb. .19¾- .21¼
Naphthenate, 24%-30% Pb, 50-gal. dms..lb. .14½- .17¼
Nitrate, bbls.....lb. .13¾- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls..lb. .28 - —
Red, dry, 95% or less $Pb_3O_4$, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Other points.....lb. .09 - —
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., Wyo..lb. .10 - —
other points.....lb. .09¼- —
smaller lots, Ala., etc.lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10¼- —
other points.....lb. .10 - —
97%, $Pb_3O_4$, bbls., c.l., divd. Ala., etc..lb. .09¼- —
other points.....lb. .09¾- —
l.c.l., 5 tons, divd. Ala., etc..lb. .10 - —
Colo., etc.....lb. .10¼- —
Ariz., etc.....lb. .10¾- —
other points.....lb. .09¾- —
smaller lots, divd. Ala., etc..lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10¼- —
95%, $Pb_3O_4$, bbls., c.l. (20 tons), divd. Ala., etc..lb. .09¼- —
other points.....lb. .09¾- —
l.c.l., 5 tons, divd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10¼- —
other points.....lb. .10 - —
smaller lots, divd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
In oil, 92% min., kgs.....lb. .14 - —
Resinate, precip., 22.5% Pb, 100-lb. dms..lb. .17¼- —
Silicate, bgs.....lb. .0730- .0780
Soyate, 26.15% Pb, 50-gal. dms..lb. .22¼- —
Stearate, bbls.....lb. .81 - .90
Sulphate (see Lead, white, basic sulphate).
Tallate, 16% Pb, 60-gal. dms.. lb. .06¾- —

MORE
FOR THE BATTLE FRONT...
LESS FOR THE HOME FRONT
"No soldier in the world, whether he is in the armies of our allies or our enemies, receives better medical attention, on and off the battlefield, than the man who fights for America." Surgeon General, U. S. Army
Into the manufacture of the vast quantities of ointments, salves, lotions, creams and similar products needed by the Medical Corps go great quantities of Lanolin U.S.P.
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America's Largest Suppliers of
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DEGRAS • Neutral and Common • Wool Greases
147 LOMBARDY STREET • BROOKLYN, NEW YORK

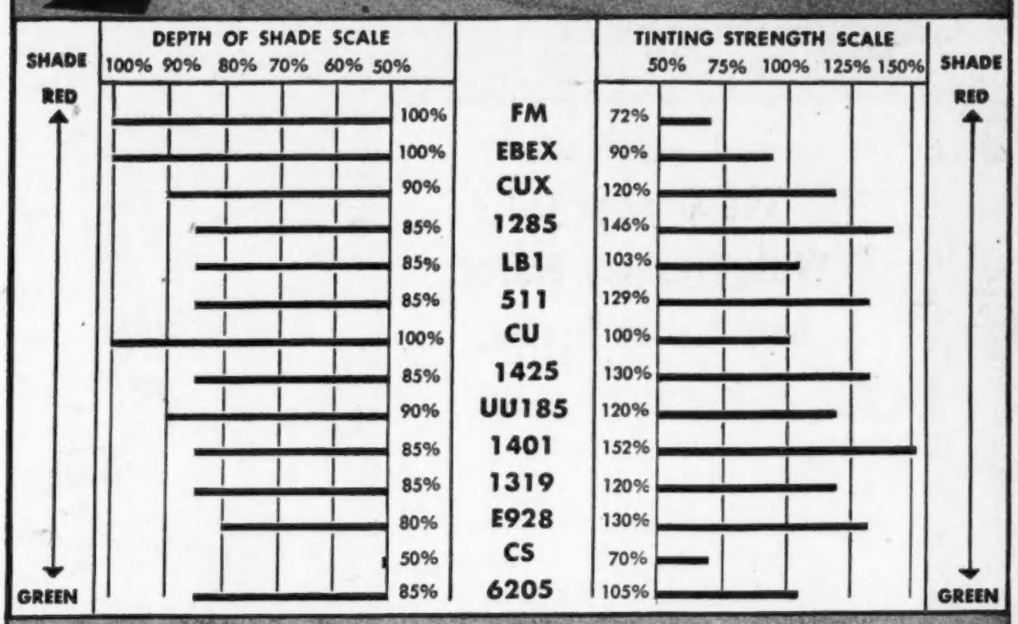
| | | | |
|---|---|---|---|
| Lead, titanate, bgs., bbls., c.l., works, frt. alld. | lb. | .11 | — |
| l.c.l., 5 tons, one delivery, E., frt. alld. | lb. | .11½ | — |
| Pac. Cst., ex whse. | lb. | .11¾ | — |
| l.c.l., smaller lots, E., frt. alld. | lb. | .11½ | — |
| Pac. Cst., ex whse. | lb. | .11¾ | — |
| White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo. | lb. | .06½ | — |
| other points | lb. | .06¾ | — |
| l.c.l., dlvd. Ariz., etc. | lb. | .06¾ | — |
| other points | lb. | .06¾ | — |
| basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc. | lb. | .07½ | — |
| other points | lb. | .07¾ | — |
| l.c.l., dlvd. Ariz., etc. | lb. | .08 | — |
| other points | lb. | .07½ | — |
| in oil, consumers, kgs. | lb. | .12¼ | .13¾ |
| dealers, 100-lb. kg. | lb. | .11¼ | .11¾ |
| painters, 100-lb. kg. | lb. | .12¼ | .13¾ |
| Lecithin, edible, dms., c.l. | lb. | .35¼ | — |
| l.c.l. | lb. | .39 | - .48 |
| in cocoa butter, dms., c.l. | lb. | .40¼ | — |
| l.c.l. | lb. | .41 | - .66 |
| pure vegetable, bots., 100-lb. lots | lb. | 2.75 | - — |
| tech., dms., c.l. | lb. | .35 | - — |
| l.c.l. | lb. | .36½ | - .97½ |
| Lemon peel, bls. | lb. | .35 | - .40 |
| Licorice extract, mass, cns. | lb. | .25 | - .73 |
| powd., bbls. | lb. | .60 | - .85 |
| root, natural, Indian, bls. | lb. | .08 | - .09 |
| powder, bbls. | lb. | .14 | - .15 |
| Russian, bls. | lb. | .08¼ | - .09 |
| Spanish, bls. | lb. | .12 | - .13 |
| Lignin extract, tanning grade, bgs., c.l., works | lb. | .04 | - — |
| Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.:— | | | |
| Adams, Mass. | ton. | 8.00 | - — |
| Annville, Pa. | ton. | 7.50 | - — |
| Bellefonte, Pa. | ton. | 7.50 | - — |
| Berkley, W. Va. | ton. | 7.50 | - — |
| Carey, Ohio | ton. | 7.00 | - — |
| Cedar Hollow, Pa. | ton. | 8.50 | - — |
| Crab Orchard, Tenn. | ton. | 6.25 | - — |
| Eagle Mountain, Va. | ton. | 7.00 | - — |
| Farnams, Mass. | ton. | 8.00 | - — |
| Gibsonburg, Ohio | ton. | 7.00 | - — |
| Hannibal, Mo. | ton. | 6.50 | - — |
| Keystone, Ala. | ton. | 6.25 | - — |
| Knoxville, Tenn. | ton. | 6.25 | - — |
| Limedale, Ark. | ton. | 7.00 | - — |
| Longview, Ala. | ton. | 6.25 | - — |
| Manistique, Mich. | ton. | 8.00 | - — |
| Martinsburg, W. Va. | ton. | 7.50 | - — |
| Menominee, Mich. | ton. | 8.00 | - — |
| Mitchell, Ind. | ton. | 6.50 | - — |
| Newala, Ala. | ton. | 6.25 | - — |
| Rincon, Cal. | ton. | 13.00 | - — |
| Ripplemead, Va. | ton. | 7.00 | - — |
| Riverton, Va. | ton. | 7.00 | - — |
| Rockland, Me. | ton. | 8.00 | - — |
| San Francisco, Cal. | ton. | 13.00 | - — |
| Scioto, Ohio | ton. | 6.50 | - — |
| Springfield, Mo. | ton. | 7.00 | - — |
| Woodville, Ohio | ton. | 7.00 | - — |
| York, Pa. | ton. | 9.00 | - — |
| hydrated, paper bgs., f.o.b. Adams, Mass. | ton. | 9.00 | - — |
| Annville, Pa. | ton. | 9.00 | - — |
| Bellefonte, Pa. | ton. | 9.00 | - — |
| Berkley, W. Va. | ton. | 9.00 | - — |
| Buffalo, N. Y. | ton. | 10.00 | - — |
| Carey, Ohio | ton. | 8.50 | - — |
| Cedar Hollow, Pa. | ton. | 9.00 | - — |
| Crab Orchard, Tenn. | ton. | 9.00 | - — |
| Eagle Mountain, Va. | ton. | 8.50 | - — |
| Farnams, Mass. | ton. | 9.00 | - — |
| Gibsonburg, Ohio | ton. | 9.00 | - — |
| Hannibal, Mo. | ton. | 9.00 | - — |
| Keystone, Ala. | ton. | 9.00 | - — |
| Knoxville, Tenn. | ton. | 9.00 | - — |
| Le Roy, Minn. | ton. | 10.00 | - — |
| Lime Crest, N. J. | ton. | 8.50 | - — |
| Limedale, Ark. | ton. | 9.00 | - — |
| Longview, Ala. | ton. | 9.00 | - — |
| Louisville, Ky. | ton. | 14.50 | - — |
| Manistique, Mich. | ton | 9.50 | - — |
| Marblehead, Ohio | ton. | 9.50 | - — |
| Martinsburg, W. Va. | ton. | 9.00 | - — |
| Mitchell, Ind. | ton. | 9.00 | - — |
| Newala, Ala. | ton. | 9.00 | - — |
| Potoskey, Mich. | ton. | 9.00 | - — |
| Port Inland, Mich. | ton. | 9.00 | - — |
| Rapid City, S. D. | ton. | 12.00 | - — |
| Ripplemead, Va. | ton. | 9.00 | - — |
| Rockland, Me. | ton. | 9.00 | - — |
| San Francisco, Cal. | ton. | 16.00 | - — |
| Springfield, Mo. | ton. | 9.00 | - — |
| Woodville, Ohio | ton. | 9.00 | - — |
| York, Pa. | ton. | 9.00 | - — |
| Spray, paper bgs., f.o.b. Adams, Mass. | ton. | 9.50 | - — |
| Annville, Pa. | ton. | 9.50 | - — |
| Bellefonte, Pa. | ton. | 9.50 | - — |
| Carey, Ohio | ton. | 11.00 | - — |
| Farnams, Mass. | ton. | 10.00 | - — |
| Gibsonburg, Ohio | ton. | 11.00 | - — |
| Lime Crest, N. J. | ton. | 9.00 | - — |
| Marblehead, Ohio | ton. | 11.00 | - — |
| Rockland, Me. | ton. | 10.00 | - — |
| Scioto, Ohio | ton. | 10.00 | - — |
| Woodville, Ohio | ton. | 11.00 | - — |
| York, Pa. | ton. | 9.50 | - — |
| Lime-ammonia nitrogen 20.5% N, bgs., works | ton. | 32.50 | - — |
| Lime salts (see Calcium). | | | |
| Linalool, cns. | lb. | 7.00 | -10.85 |
| Linalyl acetate, cns. | lb. | 4.50 | -11.65 |
| Linden with leaves, bls. | lb. | .95 | - 1.00 |
| Linseed meal,[2] 34%, bulk, c.l. | ton. | 45.00 | - — |
| 32%, bulk, c.l. | ton. | 42.00 | - — |
| Litharge, com'l powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash. | lb. | .08¼ | — |
| other points | lb. | .08 | - — |
| l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash. | lb. | .08¾ | — |
| Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. | lb. | .09¼ | — |
| Colo., Mont., N. Mex., Wyo. | lb. | .09 | - — |
| Other points | lb. | .08½ | - — |
| smaller lots, dlvd. Ala., etc. | lb. | .09¼ | - — |
| Ariz., etc. | lb. | .09¾ | - — |
| Colo., etc. | lb. | .09¼ | - — |
| Other points | lb. | .09 | - — |
| Lithium[4] bromide, bbls., 100 lbs., works, frt. equald. | lb. | 1.90 | - — |
| smaller lots, works | lb. | 1.93 | - 1.95 |
| Carbonate, NF, 250-lb. bbls., kgs. | lb. | 1.25 | - 1.30 |
| Chloride, jars | lb. | 1.65 | - 1.70 |
| Citrate, bbls., dms., kgs. | lb. | 1.40 | - 1.45 |
| Fluoride, bbls. | lb. | 2.45 | - 2.60 |
| Hydroxide, jars | lb. | 1.25 | - 1.40 |
| Iodide, 5-lb. bots. | lb. | 5.20 | - — |
| 25-lb. jars | lb. | 5.05 | - — |
| Lithopone,[1] ordinary, bgs., c.l. (20 tons) | lb. | .04¼ | - — |
| smaller lots | lb. | .04½ | — |
| bbls., c.l. (20 tons | lb. | .04½ | — |
| smaller lots | lb. | .04¾ | — |
| Lithopone, titanated[4] (high-strength), bgs., c.l. | lb. | .0560 | — |
| smaller lots | lb. | .0585 | — |
| bbls., c.l. | lb. | .0585 | — |
| smaller lots | lb. | .0610 | — |
| Lithopone, c.l., dlvd. Pac. Cst., | | ¼c. higher; | |
| l.c.l., ex whse. Pac. Cst., | | ½c. higher. | |
| Liverwort leaves, bls. | lb. | .70 | - .75 |
| Lobelia herb, bls. | lb. | .40 | - .42 |
| Lobeline sulphate, bots., wks. | oz. | 25.50 | -32.00 |
| Logwood, cryst., No. 1, bbls. | lb. | .28 | - — |
| No. 2, bbls. | lb. | .26 | - — |
| extract, liquid, No. 1, bbls. | lb. | .14 | - — |
| No. 2, bbls. | lb. | .13 | - — |
| No. 3, bbls. | lb. | .12½ | - — |
| No. 4, bbls. | lb. | .10 | - — |
| solid, No. 1, bxs. | lb. | .23½ | - — |
| No. 2, bxs. | lb. | .21½ | - — |
| Lovage root, dom., bls. | lb. | .45 | Nom. |
| imported, bls. | lb. | 4.50 | Nom. |
| Lupulin, NF, tins | lb. | 4.75 | Nom. |
| Lycopodium, USP, cs. | lb. | 5.00 | - 5.25 |

## M

| | | | |
|---|---|---|---|
| Mace,[1] Amboyna, cs. | lb. | .77 | - .78 |
| Banda, cs. | lb. | .98 | Nom. |
| West Indian, bgs. | lb. | .65 | - .66 |
| Madder, Dutch, bbls. | lb. | .24 | - .30 |
| Magnesia arsenate,[6,1] dms. | lb. | .153 | - .18 |
| Calcined, tech., USP, bbls., works | lb. | .26 | - — |
| Carbonate, tech., Zone 1, c.l., bgs. | lb. | .06¼ | — |
| bbls. | lb. | .07½ | — |
| kgs. | lb. | .08¾ | — |
| l.c.l., bgs. | lb. | .07¼ | — |
| bbls. | lb. | .08½ | — |
| kgs. | lb. | .09¾ | — |
| 2, c.l., bgs. | lb. | .06¼ | — |
| bbls. | lb. | .07½ | — |
| kgs. | lb. | .08¾ | — |
| l.c.l., bgs. | lb. | .07 | — |
| Magnesia carbonate, tech., zone 2, l.c.l. | lb. | .06¼ | — |
| kgs. | lb. | .09½ | — |
| USP, Zone 1, c.l., bgs. | lb. | .06 | — |
| bbls. | lb. | .08¼ | — |
| kgs. | lb. | .09¾ | — |
| l.c.l., bgs. | lb. | .09 | — |
| bbls. | lb. | .09½ | — |
| kgs. | lb. | .10¾ | — |
| Zone 2, c.l., bgs. | lb. | .06¼ | — |
| bbls. | lb. | .06½ | — |
| kgs. | lb. | .09¾ | — |
| l.c.l., bgs. | lb. | .08¾ | — |
| bbls. | lb. | .09¼ | — |
| kgs. | lb. | .10½ | — |
| Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa., and R. I. Zone 2—Balance of U. S. Frt. alld. Forge. Freight allowed on l.c.l., incl., dlvd. storedoor. Phillipsburg, Plymouth Meeting and Valley | | | |
| Magnesia chloride, anhyd., bbls., dlvd. | lb. | .12 | - — |
| flake, bbls., c.l., works | ton. | 32.00 | - — |
| l.c.l., works | ton. | 39.00 | -42.00 |
| Fluoride, bbls. | lb. | .40 | - .50 |
| Hydroxide, med., bbls., dms., kgs. | lb. | .29 | - .30 |
| Hypophosphite, cns. | lb. | 1.45 | - — |
| Laurate, bbls. | lb. | .33 | - .35 |
| Oxide (see Magnesia, calcined). | | | |
| Peroxide 15%, dms., works | lb. | 1.00 | - 1.85 |
| Phosphate, tribasic, USP, bbls., | lb. | .60 | - — |
| Silicate (see Talc). | | | |
| Silicofluoride, bbls. | lb. | .18 | - .20 |
| Stearate, bbls. | lb. | .31 | - .32 |
| Sulphate (see Epsom salt). | | | |
| Trisilicate, dms., 1,000-lb. contracts | lb. | .37 | - — |
| smaller lots, dms. | lb. | .42 | - — |
| Magnesite, cal., powd., bags., f.o.b. mines, Calif. | ton. | 38.75 | - — |
| dead-burned,[1] bulk, c.l., f.o.b. Chewelah, Wash. | ton. | 22.00 | -32.00 |
| Malva flowers, black, bls. | lb. | No stocks | |
| blue, bls. | lb. | No stocks | |
| Leaves, bls. | lb. | .40 | - .55 |
| Manaca root, bls. | lb. | .24 | - .26 |
| Mandrake root, bls. | lb. | .23 | - .26 |
| Manganese acetate, dms. | lb. | .26¼ | - — |
| Arsenate,[6] bgs. | lb. | .12 | - .13½ |
| Borate, tech., bbls. | lb. | .15 | - .17 |
| Carbonate, bbls. | lb. | .19 | - — |
| Chloride, bbls. | lb. | .14 | Nom. |
| Dioxide, African, battery, 84-87% bbls., 2&-40 tons, works | ton. | 74.00 | - — |
| 5-15 tons, works | ton. | 77.00 | - — |
| smaller lots, works | ton. | 83.00 | - — |
| Caucasian, 85-90%, bbls., c.l., works | ton. | 74.00 | - — |
| l.c.l., 5 tons, works | ton. | 77.00 | - — |
| smaller lots, works | ton. | 82.00 | - — |
| 85-90%, burlap bgs., c.l., works | ton. | 71.75 | - — |
| l.c.l., 5 tons, works | ton. | 74.75 | - — |
| smaller lots, works | ton. | 79.75 | - — |
| paper bgs., c.l., works | ton. | 70.00 | - — |
| l.c.l., 5 tons, works | ton. | 73.00 | - — |
| Glycerophosphate, 2 bgs., bbls., 1,000-lb. lots | lb. | 3.05 | - — |
| 100-lb. lots | lb. | 3.15 | - — |
| cns., 25 lbs. | lb. | 3.37 | - — |
| Hydrate, bbls., dlvd. | lb. | .82 | - — |
| Iodide, bots., 5 lbs. | lb. | 5.70 | - — |
| jars, 25 lbs. | lb. | 5.55 | - — |
| Linoleate, liquid, 4%, dms. | lb. | .20 | - — |
| solid, precip., 8.2%, bbls. | lb. | .22 | - — |
| Naphthenate, 6% Mn, 50-gal. dms. | lb. | .16 | - — |
| Resinate, fused, 8½%, bbls. | lb. | .09 | - .10½ |
| precip., dms. | lb. | .14½ | - .15½ |
| Soyate, 8.7% Mn, 50-gal. dms. | lb. | .22 | - — |
| Sulphate, anhyd., dms., works | lb. | .11¼ | - .11¼ |


CLIP OUT THIS CHART!

## CALCO ULTRAMARINE BLUE IDENTIFICATION




## GUIDE TO MEETING GOVERNMENT PAINT SPECIFICATIONS

WITH THIS CHART of Calco Ultramarines, your formulations can readily be made to match government standards, such as green and olive drab shades. Such specifications, as you know, state the pigment percentages and strength to be met by the manufacturers.

The chart shows which type of Calco Ultramarine to choose in order to obtain a greener or redder result as necessary. Further, it shows what strengths are available—in both full tones and tints. With this chart, you can hold the pigment volumes and hiding power at a constant while varying the strength to meet the required standard.

Naturally, this chart covers only the general paint types. Calco offers you many other Ultramarines which range between the two extremes on the above chart. But if you have a special problem . . . shoot it along to color headquarters. Calco Technical Service stands ready to help you devise the correct formulation. Get in touch with your Calco representative *today*. There's no time to waste!

Calco Dyes Are Better Buys — Calco

**CALCO CHEMICAL DIVISION · AMERICAN CYANAMID COMPANY**

BOUND BROOK, NEW JERSEY

BOSTON PHILADELPHIA PROVIDENCE NEW YORK CHARLOTTE CHICAGO

Manganese sulphate, feed grade, 77-80%, bgs..lb. .05¾- .06½
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati..ton.66.50 - —
industrial grade, 80% $MnSO_4$, bgs..lb. .05 - .05½
Tallate, 4% Mn, 50-gal. dms., lb. .09 - —
Mangrove bark, if and when available, bgs., based on freight $19; insurance $2 per ton. Any difference for buyers' account. Current freight $18.20; WSA insurance $3.75 per ton..ton.63.00 - —
Manna flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[3] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Midwest shipping points..ton.14.50 -20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, dom., Calif., bls...lb. .74 - .76
Chilean, bls.....lb. .37½- .37½
Matico leaves, bls.....lb. .22 - .29
Menthol, natural, Brazilian, cs., lb.16.50 - —
synthetic, USP, cs.....lb.13.00 - —
technical .....lb. 6.00 - 6.50
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tube..lb. .70 - .72
30% pails.....lb. 1.37 - 1.39
50% pails.....lb. 1.99 - 2.01
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride,[3] (see Corrosive sublimate).
Bisulphate,[3] bots..... .....lb. 2.67 - —
dms. .....lb. 2.74 - 2.76
Chloride,[3] (see Calomel).
Cyanide,[3] cryst., powd.....lb. 3.80 - —
Iodide,[3] red, NF, bots.....lb. 4.51 - 4.56
dms., kgs.....lb. 4.45 - —
yellow, bots.....lb. 4.51 - 4.66
fib. dms., kgs.....lb. 4.55 - —
Nitrate ointment (see Citrine ointment).
Oxide,[3] red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, NF VI, fib. dms...lb. 3.18 - 3.20
tech. (see Yellow, mercury oxide).
red,[3] NF (see Red, precipitate).
tech. (see Red, mercury oxide).
Mercury and chalk,[3] 5-lb. ctns.lb. 1.84 - 1.89
dms. .....lb. 1.77 - 1.79
Mesityl oxide, dms., c.l., dlvd.lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks .....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
gold X+, deep, 23, 3⅜x3⅜ in. pkg.1e.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidine, bbls...lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,6] natural, all grades, dms., c.l., E. of Miss. R. gal. .93 - .96
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —
Inside prices on natural methanol are drums extra: outside, drums included. Prices W. of Miss. R. 3c. higher.
synthetic,[2,6] dms., c.l., Zone 1, frt. alld..gal. .34½- —
2, frt. alld. or dlvd...gal. .36½- —
3, frt. alld.....gal. .38½- —
4, frt. alld.....gal. .40½- —
Methanol, synthetic, dms., l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
3, frt. alld.....gal. .42½- —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .52½- .56½
tanks, Zone 1, frt. alld....gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½- —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Col., Fla., Ga., Kans., La., Miss., Neb., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., also (c.l. only), Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.
Methyl abietate, dms., c.l., dlvd., lb. .0722- —
c.l., 10-dm. lots, dlvd...lb. .0647- —
single dms., dlvd.....lb. .0947- —
smaller cont., dlvd.....lb. .1447- —
hydrogenated, dms., c.l., dlvd., lb. .1122- —
l.c.l., 10-dm. lots, dlvd...lb. .1247- —
single dms., dlvd.....lb. .1347- —
smaller cont., dlvd.....lb. .1347- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11¼- .13
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss., lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Methyl acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone quoted dms., included by group A. Prices W. of Miss. R., 3c. per gal. higher.
group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
dms., l.c.l., Zone 1, same basis..gal. .66 - —
Zone 2, same basis.gal. .85 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —
Natural methyl acetone quoted drums, extra by Group B, sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.
synthetic, dms., c.l., Zone 1, gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —
Synthetic methyl acetone sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - 2.80
25-lb. lots, bots.....lb. 2.25 - 2.65
Benzoate,[6] cns.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .80
cyls. .....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 400 lbs., cyl., mach., mfrs. and jobbers..lb. .38 - —
service men and consumers, lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 50-lb. cylinders, uniformly 10c. per pound higher.
Cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd....lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate,[3] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .80
Methylamyl ketone, dms., cns., works..lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld., lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, medicinal, kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.25 - —
Chloride, refrig., dms., works.lb. .18 - .23
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, cryst., cns..lb. 3.00 - 3.10
Methylpentanediol, com'l, dms., l.c.l., works..lb. .20 - —
Metronite pigment (see Synthetic Resins and other, Branded Paint Materials list.)
Mica, dry grd.,[4] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l. .....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80 mesh, bgs., c.l.....ton.35.00 - —
l.c.l. .....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. .....ton.43.50 - —
wet-grd.,[4] biotite, c.l., bgs....lb. .03¾- —
l.c.l. .....lb. .04¼- —
white, 1,000 mesh, bgs., c.l., lb. .03¾- —
paint or lacq., c.l., bgs....lb. .04¾- —
l.c.l. .....lb. .05¼- —
paper bgs., c.l.....lb. .04¾- —
l.c.l. .....lb. .05¼- —
rubber, c.l., bgs.....lb. .04½- —
l.c.l. .....lb. .05 - —
Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss R. and 1c. per lb. higher W. of Rockies.
Milk powder,[6] skimmed,[1] roller, bulk, Zone A, bbls..lb. .12½- —
Zone B.....lb. .12¾- —
spray, bbls., bulk, Zone A, lb. .14½- —
Zone B .....lb. .14¾- —
Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I., and Vt.
whole, roller, bbls.....lb. .35 - —
spray, bbls. .....lb. .36 - —

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OIL OF
ORANGE
U. S. P.

Milk sugar,[1] bbls., c.l., works..lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,5] blackstrap, tanks, f.o.b. works, Area 1..gal. .18 - —
Area 2, same basis...gal. .18½- —
Area 3, same basis...ton.20.00 - —
Area 4, same basis...ton.24.20 - —
Area 5, same basis...ton.33.20 - —

Note—Area No. 1, Fla., Ga., La., Tex.; Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif., Wash., Ore.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excluding Grand Island area), S. D., Utah, Wyo.; Area No. 5, Grand Island, Neb., Ia., Ind., Mich., Minn., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, pewd..lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monochlorobenzene, dms., c.l...lb. .05½- —
l.c.l. .....lb. .07 - .09
tanks .....lb. .05 - —
Monoethanolamine,[6] dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monoethylanilin, dms.....lb. .47 - —
Monomethyl para-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monomethylamine, dms.....lb. .65 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, 5-oz. bots....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cns.....lb. .12 - .18
flowers, cns.....lb. 1.75 - 2.10
Musk, nat., Tonquin, grains, bots. oz.40.00 -45.00
synth., ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more.lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more..lb. 1.40 - 2.50
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.80
Mustard seed, Calif., brown, bgs. lb. .20¾- .21
Montana, brown, bgs.....lb. .11¾- .12
yellow, bgs.....lb. .10¾- .11¼
Washington, yellow, bgs.....lb. .11¾- .12¼
Myrobalans,[6] J1, bgs., f.a.s., based on freight $25; insurance $2 per ton. Any difference for buyers account. Current freight $27; WSA insurance $4.50 per ton.. ton.75.00 - —
J2, bgs., f.a.s., same basis.. ton.68.00 - —

## N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude,[3,6] dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis, lb. .0325- —
bbls., c.l., same basis...lb. .0335- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .05 - —
50-lb. cs., same basis....lb. .05¼- —
1-lb. pkgs., same basis...lb. .05¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline syenite, glass grade, 20 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. 1.40 - 1.50
Oxide,[6] black, bbls.....lb. .35 - .38
Salt,[6] bbls.....lb. .13 - .13½
Nicotine[3] sulphate, 40%, dms., 50 lbs..lb. .7980- —
tins, 10 lbs.....lb. .90 - —
Nicotinamide,[6] dms.....kilo.13.25 -13.60
Niger seed, bgs.....lb. .20 - .21
Nikethamide, bots., cbys.....lb.18.00 -19.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —
5-7, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —
alcohol-soluble, ¼, ½ sec., 5-7, 30-35 cps., same basis.lb. .28 - —
5-7, 40-60 cps., same basis, lb. .27 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., l.c.l., wks..lb. .25 - —
Nitrogen solut., tanks, works, ports..ton N.121.58 - —
Nitrogenous process tankage, bulk, producing plant..... unit-ton. 3.15 - 3.50
sewage sludge, bulk, producing plant..unit-ton..2.60 + 10- 3.00 + .40
Nitromethane, dms., l.c.l., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs.....lb. .44 - .45
Chinese .....lb. .39 - .40
Nutmegs,[1] E. I., 80's, bgs....lb. .75 Nom.
West Indian, No. 1, bgs.....lb. .36½ Nom.
broken, bgs.....lb. .55 - .60
Nux vomica, bls.....lb. .09 - .11

## O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks
tanks .....lb. No stocks
Ocher (see Yellow)
Octanol, 1[2] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal,[6] tech., 360-lb. dms.. divd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
Bitter, F.P.A.....lb. 5.25 - 5.50
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.85 - 2.25
Angelica root, bots.....lb. No stocks
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, cns., dms.....lb. 3.75 - 4.00
Apricot kernel, cns.....lb. .56 - .60
Avocado, cns., dms.....lb. 1.00 - 1.25
Babassu,[1,5] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns....lb. 1.55 - 1.75
Puerto Rican, 55-60%, cns..lb. 1.65 - 1.96
Bergamot, artif., cns.....lb. 2.25 - 2.85
natural, Italian, coppers...lb.25.00 Nom.
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. 2.00 - 2.25
rectified, cns.....lb. 2.00 - 2.25
Bois de Rose, Brazil, cns....lb. 3.90 - 4.50
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .68 - .70
Cade, USP IX (see Oil, juniper tar).
Oil, cajeput, tech., dms.....lb. 1.65 - 2.25
redistilled, USP X, cns....lb. 1.95 - 2.60
Calamus, cns.....lb.22.50 -25.00
Camphor, sassafrassy, cns...lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb. 8.75 -10.00
rectified, cns.....lb.10.25 -11.00
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb. No prices
Cardamom, bots.....lb.25.00 -28.00
Cassia, USP, cns.....lb.12.00 Nom.
Castor,[1] blown, dms., returnable, c.l..lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l.lb. .14 - —
cns .....lb. .15¾- .17¾
cns. .....lb. .13¾- —
dms., returnable, c.l....lb. .13¾- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .13 - —
dehydrated, dms., c.l.....lb. .1780- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
No. 3, tech., bbls., c.l.....lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms., returnable, c.l...lb. .13½- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .12¾- —
Sulphonated, 50% (48% fat), dms., c.l..lb. .10 - —
l.c.l. .....lb. .11 - —
75% (63% fat), dms., c.l..lb. .12¼- —
l.c.l. .....lb. .13¼- —
80% (68% fat), dms., c.l..lb. .13¼- —
l.c.l. .....lb. .14½- —
Cedarleaf, tech., cns., dms..lb. 1.20 - 1.25
USP, cns., dms.....lb. 1.70 - 1.75
Cedarwood, dms.....lb. .70 - .80
Celery, bots.....lb.24.00 -26.00
Chaulmoogra, USP, cns.....lb. .60 - .70
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb.35.00 -40.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. 1.00 - 1.06
Java, cns.....lb. 2.75 Nom.
Oil, clove makers, USP, cns...lb. 1.65 - 1.75
Coconut,[1,5] Manila, crude, bulk, c.i.f., N. Y..lb. .0635- —
edible, ex tax, dms.....lb. .0965- —
Cod, Newfoundland, dms...gal. .90 - —
Codliver,[5] med., USP, 50-gal. bbls. or dms..bbl.80.00 -88.00
Coriander, bots.....lb.28.50 -35.00
Corn,[1,5] crude, tanks, works.lb. .12¾- —
ref'd, bbls.....lb. .15½ Nom.
Cottonseed,[1,5] cooking, bbls..lb. .16½- —
salad, bbls.....lb. .16 - —
Creosote (see C).
Croton, NF, cns.....lb. 3.00 - 4.00
Cubeb, USP, cns.....lb. No prices.
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dillseed, bots.....lb. 6.25 - 7.50
weed, bots.....lb. 5.15 - 6.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.00 - 1.18
Fennel, sweet, cns.....lb. 3.25 - 3.90
Fir, Canada, cns.....lb. 2.00 - 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram..... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram..per million units. .001 - —
200,000 or more A units..... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintegreen leaf)
Geranium, Algerian, cns.....lb.13.00 -15.75
Bourbon, cns.....lb.14.00 -16.50
Russian, cns.....lb.16.50 - —
Turkish (see Oil, palmarosa).
Grapefruit, cns.....lb. 2.00 - 2.10
Ginger, dist., bots.....lb.20.00 - —
Hemlock, cns.....lb. 1.30 - 1.40
Juniper berry, cns.....lb.12.00 -16.00
wood, tech., cns.....lb. 1.00 - 1.25
Juniper tar, USP, dms.....lb. 1.00 - 1.35


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**Para Cresyl Ethyl Ether**
**Para Cresyl Methyl Ether**
**Phenyl Ethyl Alcohol**
**Cyclamal**
**Indol**
**Oil of Balsam Fir American**
**Oil of Pine Needles American**
**Phenyl AcetAldehyde DiMethyl Acetal**
**Methyl Naphthyl Ketone, Crystals, Liquid**
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**Hydratropic Aldehyde**

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Oil, lard,[c] common, 1 bbls....lb. .14 - —
extra, No. 1, bbls....lb. .14½ - —
winter, strained, bbls....lb. .15 - —
prime, burning, bbls....lb. .16 - —
ined., bbls....lb. .15½- —
Laurel, bots....lb. No prices
Lavandin, cns., 25 lbs....lb. 8.00 - —
Lavender flower, French, cns., lb. 7.50 -16.00
Russian, cns....lb.11.00 -11.50
garden, cns....lb. .55 - .75
spike, Spanish, pure, cns..lb. 3.50 - 4.00
tech., cns....lb. 2.75 - 3.00
Lemon, Calif., cns....lb. 3.25 - —
Messina, coppers, cns....lb. No stocks
Terpeneless....lb.35.00 -50.00
Lemongrass, cns., dms....lb. 1.25 - 1.50
Lignaloe wood, Brazilian (see Bois de rose).
Mexican, seed, cns....lb. No stocks
wood, cns....lb. 3.25 - 3.35
Lime, dist., Jamaica, cns....lb. 6.50 - 7.50
Mexican, cns....lb. 6.00 - 6.50
expressed, Jamaica, cns....lb.11.00 -12.50
Linseed, raw, dms., c.l.....lb. .1510- —
10 or more....lb. .1550- —
5 to 9....lb. .1570- —
1 to 4....lb. .1610- —
tankcar....lb. .1470- —
tankwagon....lb. .1490- —
Boiled linseed oil, .004 over raw.
Linseed replacement, dms...gal. 1.13½- 1.21½
tankcar....gal. 1.10½- —
Lubricating,[1] at refinery, ex tax, California, neutrals, pale, 200-800 vis., 2½-4, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ plus tanks..gal. .07¼- .11½
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks, gal. .22½- .26
800 vis., No. 3 col., 0-10 pour, tanks..gal. .14½- .18
200-280 vis., No. 3 col., 15-25 pour, tanks..gal. .15 - .17½
140-150 vis., No. 5 color, 10-25 pour, tanks..gal. .24 - .30
cylinder oils, 600-690 flash, tanks..gal. .16 - .17
600-650 steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 0-25 pour, tanks..gal. .28½- .30½
200 vis., 0-25 pour, tanks..gal. .32 - .32½
Mace, dist., cns., dms....lb. No prices
Mandarin, Brazilian, cns....lb. 8.75 - 9.00
Italian, coppers....lb.11.50 -15.00
Menhaden,[1,5] crude, tanks, Balto..lb. .0830- —
ref'd, alkali, dms....lb. .1405- .1407
kettle-b'oiled, dms....lb. .1505- .1507
light-pressed, dms....lb. .1305- .1307
tanks....lb. .1225- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns...lb. 1.60 - 1.70
Mustard seed,[6] exp., dms....lb. .14¾- —
Neatsfoot,[4] 15°, c.l., bbls...gal. 1.00 - —
20°, c.l., bbls....gal. 1.80 - —
30°, c.l., bbls....gal. 1.60 - —
pure, bbls....lb. .18½ Nom.
Neroli, bots....lb.220.00 -275.00
Haitian, dms....lb.240.00 - —
Nutmeg, dist., cns., dms....lb. No prices
Officica,[1] liquid, dms....lb. .22 - .23
tanks....lb. .21 - .21½
Oleo,[5] 1, bbls....lb. .13¾ Nom.
Olibanum, bots....lb. 5.00 - —
Olive, denat., dms....gal. No stocks
edible, Calif., dms....gal. No stocks
imported, dms....gal. No stocks
foots, dms....lb. No stocks
sulphonated, 50% (40% fat), dms., c.l...lb. No prices
l.c.l....lb. No prices
85% (68% fat), dms., c.l...lb. No prices
l.c.l....lb. No prices
50% (38% fat), dms., c.l...lb. No prices
l.c.l....lb. No prices
Orange, sweet, dist., cs....lb. .75 - —
expressed, Brazilian, cns...lb. 1.25 - 1.40
Calif., cns....lb. 1.15 - 1.50
Florida, cns., dms....lb. .85 - 1.25
Messina, USP, coppers..lb. No stocks
West Indian, cns....lb. 4.50 - 5.00
sequiterpeneless, bots....lb.97.00 -100.00
Origanum, Spanish, cs....lb. 2.40 - 2.75
Palm,[1,5] Niger, dms....lb. .0935- —
Palmarosa, cns....lb. 4.25 - 5.50
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-75 vis., tanks, same basis..lb. .05¼- —
330° flash, 70-80 a 100 vis., 0/10 pour..gal. .08 - —
80-85 vis., 0/10 pour, bbls, extra, Ind. refy..gal. .12 - —
100-100 vis., 0/10 pour, same basis..gal. .06½- —
10/25 pour, same basis..gal. .06¼- —
100-105 vis., 0/10 pour, same basis..gal. .14 - —
Patchouli, cns....lb.10.00 -11.00
Peanut,[1,5] crude, tanks, mill. lb. .13 - —
refd., tanks, dlvd. N. Y....lb.14.64 -15.01
hydrog., tanks, dlvd. N. Y., lb. .1373- .1378
Pennyroyal, dms., cns....lb. 3.00 - 4.10
import, cns....lb. 3.00 - 3.25
Peppermint, natural, dms...lb. 6.00 Nom.
redist., USP, cns., dms....lb. 6.35 Nom.
Perilla, crude, dms....lb. No stocks
Petitgrain, Paraguay, cns., dms. lb. 1.45 - 1.65
Pimento, berry, dms....lb. 3.00 - —
Leaf, cns....lb. 5.25 - —
Pine, dms., c.l., dlvd. E....lb. .076 - —
l.c.l., dlvd. E....lb. .081 - —
tanks, South....lb. .06¼- —
dlvd. E....lb. .07 - —
Pineneedle, cns....lb. 2.25 - 3.50
Putty,[2] bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts....gal. .19½- —
dms., c.l., Whiting, Ind...gal. *.24 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis....gal. .27 - —
tanks, same basis....gal. .18 - —

* Extra for bbls. but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,5] denat., bulk, c.i.f. N. Y..lb. .1150- —
Red,[5] dms., dlvd....lb. .13¼- .14¾
tanks, dlvd....lb. .12½- —
Rose, natural, coppers....oz.30.00 -40.00
Rosemary, Spanish, cns., dms.lb. 1.85 - 2.00
Rosin, 1st rectified, dms...gal. .66 - —
2d rectified, dms....gal. .68 - —
3d rectified, dms....gal. .72 - —
Rue, bots....lb. 8.25 -10.00
Sage, Spanish, cns....lb. 3.50 - 5.50
Sandalwood, NF, dist., cns..lb. 6.75 - —
Mysore, cns., case lots...lb. 7.00 - 7.25
Sardine, crude,[1,5] tanks, Pac. Coast..lb. .0990- —
ref'd, alkali, dms....lb. .1405- .1407
kettle-boiled, dms....lb. .1503- .1507
light-pressed, dms....lb. .1303- .1307
tanks....lb. .1225- —
Sassafras, artif., cns....lb. 1.25 - 1.40
natural, cns., dms....lb. 1.90 - 2.00
Savin, cns....lb. No prices
Savory, cns....lb. 8.00 - —
Sesame,[1,5] tanks....lb. .1430- —

Oil, shingle stain, bbls., c.l., works..gal. .19 - —
l.c.l., works....gal. .20 - —
tanks, works....gal. .14 - —
Snake root, Canada, cns....lb. No prices
Soybean,[1,5] cr., tank, mill..lb. .1175- —
clarif., dms....lb. .1299- .1340
tanks....lb. .1250- —
refd., varnish, dms....lb. .1389- .1400
tanks....lb. .1340- —
Spearmint, dms....lb. 4.00 Nom.
Sperm,[6] bleach, 38°, dms....lb. .1443- —
natural, 45°, dms....lb. .1310- —
Spruce, cns., dms....lb. 1.30 - 1.40
needle, cns....lb. 3.00 - 3.25
Sunflower seed,[1,5] tanks....lb. .1430- —
Sweet birch, North, cns....lb. 4.00 - 5.00
South, cns....lb. 2.50 - 3.75
Tall, crude, dms., c.l., works, ton.53.65 -55.00
l.c.l., works....ton.58.65 -63.65
tanks, works....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - —
l.c.l., works....lb. .05½- —
tanks, works....lb. .04½- —
Tallow,[5] acidless, bbls....lb. .14¼- —
tanks....lb. .13¾- —
Tansy, cns....lb. 3.70 - 4.00
Tar, pine, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., f.o.b. works....gal. .29¾- —
pine, tanks, dlvd. E. cities, gal. .27 - —
rect., USP, bbls....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns....lb. 2.50 - 3.50
white, cns....lb. 2.65 - 4.00
Tung,[1,5] dms....lb. .39 - —
tanks....lb. .38¾- —
Turkey red (see Castor, sulphorated).
Turpentine (see T).
Vetiver, Java, bots....lb.50.00 Nom.
Whale,[5] ref., natural, dms...lb. .1187 Nom.
winter, bleach, dms....lb. .1232 Nom.
Wheat germ, dms....gal.10.00 -13.50
White, mineral, tech., 50-60 vis., dms., c.l..gal. .36 - —
l.c.l....gal. .42 - .45
65/75 vis., c.l....gal. .36 - —
l.c.l....gal. .42 - .45
USP, 80/90 vis., dms., dm. charges not included, c.l.gal. .39 - —
l.c.l....gal. .45 - .48
95/105 vis., dms., c.l....gal. .44½- —
l.c.l....gal. .50½- .53¼
125/135 vis., dms., c.l...gal. .49 - —
l.c.l....gal. .55 - .58
145/155 vis., dms., c.l...gal. .51 - —
l.c.l....gal. .57 - .60
175/185 vis., c.l....gal. .54¼- —
l.c.l....gal. .60½- .63¾
200/210 vis....gal. .58 - —
l.c.l....gal. .64 - .67
320/330 vis., c.l....gal. .65 - —
l.c.l....gal. .71 - .74
335/345 vis., c.l....gal. .66 - —
l.c.l....gal. .72 - .75
f.o.b. San Francisco, 55 vis., returnable bbls., c.l..gal. .40 - —
5 bbls....gal. .45 - —
85 vis., c.l....gal. .40 - —
5 bbls....gal. .45 - —
100 vis., c.l....gal. .49½- —
5 bbls....gal. .54½- —
145 vis., c.l....gal. .57 - —
5 bbls....gal. .62 - —
180 vis., c.l....gal. .60½- —
5 bbls....gal. .65½- —
340 vis., c.l....gal. .72 - —
5 bbls....gal. .77 - —
Wintergreen, nat., North, cns. lb. 6.50 - 8.50
South, cns....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns....lb. No prices
Wormwood, cns....lb. 5.00 - 5.75
Ylang-ylang, Bourbon, bots..lb.11.00 -14.50
Oleostearin,[1] bbls....lb. .1654- —
Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust....ton.12.00 - —
lumps, same basis....ton. 7.00 - —
spalls, same basis....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots..lb.13.00 - —
25-lb. lots, cns....lb.13.25 - —
smaller lots, cns....lb.13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, dinitroanilin toner,[1,6] lb. 1.05 - —
Lake, Persian,[1,5] bbls....lb. .30 - .45
Mineral, Amer., bbls., 8 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12½- —
dlvd. other points....lb. .12 - —
smaller lots, dlvd. Ala., etc..lb. .12¾- —
Ariz., etc....lb. .13¼- —
Colo., Mont., N.M., Wyo., lb. .13 - —
Other points....lb. .12½- —
Molybdate,[1,6] bbls....lb. .41 - —
Orthonitroanilin toner,[1] kgs., works..lb. .80 - —
Toner, bbls....lb. .80 - 1.05
Orange peel, bitter, bbls....lb. .30 - .31
Haitian, bgs....lb. .13 - .14
sweet, bls....lb. .15 - .16
Orangeflower petals, cs....lb. .45 - .75
Oregano, Mexican, curly leaf, bgs..lb. .12½- .13
flat leaf, bgs....lb. .12¼- .12½
Orris root, African, bls....lb. .80 - .85
powd., bbls., bxs....lb. .85 - .90
Portuguese, bls....lb. .45 - .46
Verona, bls....lb. 1.25 - 1.30
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls....lb. .70 - —
Orthochloroanilin, dms....lb. .60 - .70
Orthochlorophenol, dms....lb. .32 - —
Orthocresol,[2,6] 30.4°C. Min. M.P., dms., c.l., works..lb. .17½- .18
l.c.l., same basis....lb. .18 - .18½
29.0°C, Min. M.P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies, lb. .07 - —
l.c.l., same basis....lb. .08 - —
Orthodichlorobenzene, tanks, same basis..lb. .06½- —
Orthochlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms....lb. .45 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms....lb. .09 - —
Orthophenetidin, dms....lb. .82 - —
Orthotoluidin, dms....lb. .10 - —
Osage orange, crystals, bbls...lb. .23 - —
extract, No. 1, bbls....lb. .11 - —
No. 2, bbls....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots....lb. 3.75 - 4.15

# P

Papain, powd., cs....lb. 2.50 - 3.35
Papaverine hydrochloride, NF, natural, cns., 100-oz. lots..oz. 7.00 - —
smaller lots....oz. 7.05 - 7.25
Sulphate, natural, cns....oz. 7.10 - 7.35
Paprika,[1] Chilean, bgs....lb. .30½- .31
Portuguese, choice, bgs....lb. .39½- .40
extra fancy, bgs....lb. .38½- .38¾
good, bgs....lb. .36 - .37
Spanish, fancy, bgs....lb. .45 - .50
good bgs....lb. .36 - .37
fair, bgs....lb. .32 - .33
Para-anisidin, dms., works....lb. .75 - —
Parachlorophenol, dms., wks..lb. .32 - —
Paracresol,[6] bbls., f.o.b. wks..lb. .41 - —
Paracymene, dms., c.l., works.lb. .1595- —
l.c.l....lb. .1645- —
tanks....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .13
l.c.l., same basis....lb. .12½- .15
Paraffin, crude scale, white or yellow, 122-124 AMP, bbls., c.l., refinery..lb. .04¼- —
fully ref'd, slabs, loose, 120-122 AMP, c.l., refinery..lb. .05 - —
123-125 AMP, same basis, lb. .0520- —
125-127 AMP, same basis, lb. .0520- —
128-130 AMP, same basis, lb. .0560- —
130-132 AMP, same basis, lb. .0585- —
131-133 AMP, same basis, lb. .0585- —
133-135 AMP, same basis, lb. .0615- —
135-137 AMP, same basis, lb. .0640- —
138-140 AMP, same basis, lb. .0715- —
143-145 AMP, same basis, lb. .0810- —
149-151 AMP, same basis, lb. .1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.
Paraformaldehyde,[2,5] dms., 1,000 lbs. or more, works..lb. .23 - —
100 to 900 lbs., works....lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works..lb. .12 - —
and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys....lb. .35 - .45
Paranitroanilin, kgs., works....lb. .43 - .45
Paranitrochlorobenzene, kgs., works..lb. .15 - —
Paranitrophenol, kgs....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works....lb. .48 - —
Pareira brava root, bls....lb. No stocks
Paris green,[1] dealer, dms., kgs., c.l., works, frt. alld..lb. .20 - .25
l.c.l., same basis....lb. .21 - .26
Passion flower herb, bls....lb. .12 - .16
Patchouli leaves, bls....lb. .24 - .26
Pectin, bbls....lb. .85 - —
Pellitory root, bls....lb. .65 - .70
Penicillin,[4] ampules, per 100,000 units. 3.25 - —
Pennyroyal leaves, bls....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .30 - .36
Pentaerythritol,[6] CP, bbls., dlvd. lb. .75 - —
less than barrel lots....lb. 1.00 - —
tech., bbls., c.l., works....lb. .20 - —
bbls., l.c.l., works....lb. .33 - —
Tetra-acetate, bbls., dlvd....lb. 1.00 - —
less than barrel lots....lb. 1.50 - —
Pentane,[1] 28°-38° C., industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., Group 3....gal. .19 - —
tanks, Group 3....gal. .07¼- —
laboratory grade, dms., c.l., gal. .16 - —
l.c.l....gal. .29 - —
10 gal....gal. .55 - —
Pepper, black,[1] 15 tons, bgs....lb. .0665 Bid
50 to 100 bgs....lb. .0706 Bid
white,[1] 15 tons, bgs....lb. .1161 Nom.
24 bgs....lb. .1295 Nom.
red, chillies, Carolina, longs, bgs..lb. .30 - .31
sports, bgs....lb. .50 - .52
Louisiana, sports, bgs...lb. .50 - .52
Mombassa, bgs....lb. .22½- .23
Niger, fair, bgs....lb. .18¼- .19
Sierra Leone, bgs....lb. .22¼- .23
Peppermint, USP, bls....lb. .60 - .70
import, bls....lb. .90 Nom.
Perchloroethylene,[6] dms., c.l., works, frt. alld., Zone 1..lb. .0782- .0800
l.c.l., same basis....lb. .0832- .0850
Zone 2, dms., c.l., works, frt. alld..lb. .0832- .0850
l.c.l., same basis....lb. .0832- .0900
Zone 3, dms., c.l., works, frt. equald..lb. .0832- .0900
l.c.l., same basis....lb. .0832- .0950
Zone 4, dms., c.l., f.o.b. stock point..lb. .0832- .0900
l.c.l., same basis....lb. .0932- .0950
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N.D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms....lb. 1.25 - 1.30
Petrolatum, tech., dark, bbls., Group 3, c.l...lb. .021 - —
golden Topaz, bbls., c.l....lb. .032 - —
l.c.l....lb. .036 - —
red, veterinarian, bbls., c.l..lb. .024 - —
l.c.l....lb. .028 - —
USP, amber, fiber dms., c.l..lb. .03½- —
l.c.l....lb. .04½- —
extra amber, fib. dms., c.l..lb. .03¾- —
l.c.l....lb. .04¾- —
cream, c.l., fib. dms....lb. .05 - —
l.c.l....lb. .06¼- —
yellow, soft, c.l., fib. dms..lb. .03½- —
l.c.l....lb. .04½- —
white, lily, c.l., fib. dms..lb. .05¾- —
l.c.l....lb. .07¼- —
snow, c.l....lb. .06¼- —
l.c.l....lb. .08 - —
soft, c.l....lb. .05½- —
l.c.l....lb. .06½- —
Petroleum, crude, bulk, at wells.
California, heavy grades..bbl. .93 - 1.01
Illinois....bbl. 1.27 - —
Kentucky, Union County..bbl. 1.32 - 1.37
Louisiana-Arkansas....bbl. .80 - 1.20
Oklahoma-Kansas....bbl. .85 - 1.25
Pennsylvania....bbl. 1.31 - 3.00
Texas, Gulf Coast....bbl. 1.06 - 1.36
North, North-Central....bbl. 1.01 - 1.25
West....bbl. .70 - 1.12
Panhandle....bbl. 1.10 - 1.22
Wyoming....bbl. 1.12 - —
Ether, laboratory grade, 30-60° C., dms., c.l., Group 3..gal. .18 - —
l.c.l....gal. .29 - —
10 gals....gal. .55 - —
35-60° C., dms., c.l....gal. .20 - —
10 gals....gal. .55 - —
40-75° C., dms., c.l....gal. .16 - —
l.c.l....gal. .29 - —
10 gals....gal. .55 - —
Petroleum, fuel oil, furnace, tanks, at refinery:—
Arkansas, No. 1....gal. .04 - —
Nos. 2 and 3....gal. .03½- —
California, heavy....bbl. 1.10 - —
light....bbl. 1.20 - —
diesel, tanks....gal. .04 - —
stove distillate....gal. .05 - —
Group 3, No. 3....gal. .06½- —
Group 3, No. 5....bbl. .85 - —
No. 6....bbl. .80 - .85
Kansas, No. 6....bbl. .85 - .90
Oklahoma, No. 2....gal. .03¾- —
No. 6....bbl. .90 - —
14-16....bbl. .97 - —
Pennsylvania, No. 1..gal. .06¾- .07¾
No. 2....gal. .06½- .0605
No. 3....gal. .06¾- .07¾
bunker, Baltimore, Md....bbl. 1.65 - 1.77
Boston, Mass....bbl. 1.65 - 1.77
Charleston, Mass....bbl. 1.60 - —
Houston, Tex....bbl. .85 - .97
Jacksonville, Fla....bbl. 1.60 - —
New Orleans, La....bbl. .85 - .97
New York, N. Y....bbl. 1.65 - 1.67
Norfolk, Va....bbl. 1.65 - —
Philadelphia, Pa....bbl. 1.65 - —
Portland, Me....bbl. 1.65 - —
Port Arthur, Tex....bbl. .85 - .97
Port Tampa, Fla....bbl. 1.55 - —
Providence, R. I....bbl. 1.65 - —
Savannah, Ga....bbl. 1.60 - 1.77
Texas City, Tex....bbl. .85 - .97
Lacquer diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles, gal. .11 - —
Fort Wells, Wash....gal. .12 - —
San Francisco....gal. .11½- —
Willbridge, Ore....gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11½- —
gal. .07¾- —
Group 3, benzol type, tanks, toluol type, tanks....gal. .07¾- .07½
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-232 b.r., tanks, gal. .10½- —
198-200 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10½- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .10 - —
East Coast, N. J., N. Y..gal. .06½- —
Group 3, tanks....gal. .06½- —
Gulf Coast, tanks....gal. .12 - .13
tankwagon, Baltimore....gal. .12 - —
Boston....gal. .1630-
Bridgeport, Conn....gal. .1340-
Buffalo....gal. .11 -
Camden, N. J....gal. .13½-
Chicago....gal. .1580-
Detroit....gal. .1630-
Hartford....gal. .1480-
Kansas City, Mo....gal. .12 -
Lancaster, Pa....gal. .1440-
Milwaukee....gal. .1420-
Minneapolis....gal. .12 -
Newark (200 gal.)....gal. .11 -
New York (200 gal.)....gal. .11 -
Philadelphia....gal. .11 -
Pittsburgh....gal. .12 -
Providence....gal. .12 -
Rochester....gal. .1320-
St. Louis....gal. .1370-
Syracuse....gal. .14 -
Washington, D. C....gal. .13 -
Wilmington, Del....gal. .13 -
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
gal. .07¾- —
Group 3, tanks....gal. .07¾- —
Gulf Coast (f.o.b. New Orleans), tanks..gal. .06¾- —
tankwagons, Newark....gal. .12 - —
Bridgeport....gal. .1730-
Chicago....gal. .1380-
Detroit....gal. .15 -
Milwaukee....gal. .1540-
Minneapolis....gal. .1520-
Newark (200 gal.)....gal. .125 -
New York....gal. .12 -
Philadelphia....gal. .125 -
Pittsburgh....gal. .12½-
St. Louis....gal. .1470-
Solvent, rubber, at refinery, California (f.o.b. San Francisco)..gal. .24 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks....gal. .07½- .07¼
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. J., N. Y., tanks..gal. .09½- —
Group 3, tanks....gal. .06¾- —
Pennsylvania, western, tanks..gal. .07¼- .08
tankwagon, Baltimore...gal. .13 - —
Boston....gal. .12 - —
Chicago....gal. .13½- —
Detroit....gal. .1580- —
Milwaukee....gal. .1440- —
Minneapolis....gal. .1420- —
Newark....gal. .11 - —
New York....gal. .11 - —
Philadelphia....gal. .11 - —
Pittsburgh....gal. .12½- —
St. Louis....gal. .1370- —
Syracuse....gal. .14 - —
See Xylol petroleum solvent.
Phenobarbital, 5-lb. cns....lb. 3.60 - 3.70
dms., 100 lbs....lb. 3.50 - —
Phenol,[2,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald., lb. .10 - —
l.c.l., same basis....lb. .10¾- —
tanks, same basis....lb. .09 - —

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# *Creative Chemistry at its best . . .*

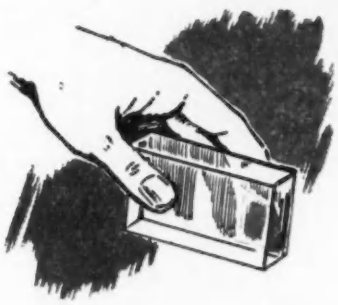
"To describe the task of the chemist who creates new products out of neglected raw materials, Dr. Edwin E. Slossen coined the name Creative Chemistry. No more shining example of Creative Chemistry at its highest and best can be found than the proud record of accomplishment of Hercules Powder Company in the field of terpene and rosin chemistry."

**DAVID DIETZ,** *Science Editor of the Scripps-Howard Newspapers, Author, Pulitzer Prize Winner*

## A TWENTY-FIVE YEAR TASK

"Twenty-five years ago Hercules launched its researches into wood rosin, wood turpentine, and pine oil—materials that the industrial world had neglected and ignored. Over the years, Hercules built an outstanding research and technical staff, one of the world's important laboratories, and maintained the courage to risk millions of dollars in development work and new plant facilities."

## WHAT HERCULES HAS ACHIEVED



### . . . *with Rosin*

From unstable, dark, wood rosin, Hercules chemists created superior pale rosins; they then stabilized these rosins by both hydrogenation and polymerization; they developed a large number of other purified, tailor-made rosins and rosin esters for hundreds of specialized purposes.

### . . . *with Turpentine*

From crude wood turpentine Hercules chemists uncovered a whole new series of useful terpene chemicals. They achieved the first synthetic production of para-cymene. They created alpha pinene for the synthesis of camphor, and introduced many new bases for alkyds and terpene alcohols.

### . . . *from Pine Oil*

Hercules chemists began their studies of pine oil when few industrial uses existed for it. From this long and costly research have come special derivatives for new and better flotation reagents, disinfectants, insecticides, scouring agents, detergent assistants, and wetting agents.

HI-40 A

*HERCULES* TERPENE AND ROSIN CHEMICALS

HERCULES POWDER COMPANY, 936 Market Street, Wilmington 99, Delaware

Phenol, 82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10½- .10¾
tanks, same basis.....lb. .08¾- .09¼
USP, dms., c.l., works, frt. equald..lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .89
yellow, fib. dms., 2,000 lbs...lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, unmodified, fib. dms., 2,000-lb. shipt..lb. .52½- —
smaller lots, same basis..lb. .57½- —
Phenylacetaldehyde, 50% solut., bots..lb. 2.45 - 3.00
100% solut., bots.....lb. 4.40 - 5.00
Phenylethyl acetate, cns.....lb. 4.00 - 5.00
Phenylethylphenyl acetate, bots., lb. 5.50 - 7.00
Phenylhydrasin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works....lb. 1.75 - —
Phloroglucinol, CP, fib. dms..lb.13.75 -14.75
tech., fib. dms.....lb.12.00 -12.50
Phosgene, ton lots, works.....lb. .19 - —
Phosphate rock,[1,2] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., M.P.R. 240 provisions, bulk, f.o.b. car, mine, c.l.....
70%-69% b.p.l., M.P.R. long ton. 2.00 - —
240 provisions, same basis..long ton. 2.40 - —
72%-70% b.p.l., M.P.R. 240 provisions, same basis..long ton. 3.00 - —
75%-74% b.p.l., M.P.R. 240 provisions, same basis..long ton. 4.00 - —

Phosphate rock, Fla., land pebble, unground, cl., 77%-76% b.p.l., M.P.R. 240 provisions, same basis.
long ton. 5.00 - —
Entirely pebble 50c. per ton higher than above prices.
finely ground 65.5%, M.P.R. 240 provisions, basis 30% $P_2O_5$ minimum....short ton. 2.75 - —
68%, basis 31% $P_2O_5$ minimum..short ton. 3.00 - —
70%, basis 32% $P_2O_5$ minimum..short ton. 3.25 - —
Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% i. & a., M.P.R. 240 provisions, same basis.....
long ton. 5.00 - —
72%-70% b.p.l., 5½% i. & a., M.P.R. 240 provisions, same basis..long ton. 5.50 - —
refinery ground, same basis, long ton. 4.65 - —
30%, $P_2O_5$, same basis.....
short ton. 4.35 - —
31%, $P_2O_5$, same basis.....
short ton. 4.95 - —
32%, $P_2O_5$, same basis.....
short ton. 5.20 - —
33%, $P_2O_5$, same basis.....
short ton. 5.70 - —
Phosphate, defluorinated (see under D).
Phosphorus,[4] red amorphous, cs., lb. .40 - .44
tins, export.....lb. .55 - —
Yellow,[4] dms.....lb. .25 - —
cs.....lb. .23 - .25
Oxychloride,[4] cyls.....lb. .15 - .18
Pentoxide,[4] dms., c.l., wks..lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide,[4] cs.....lb. .38 - .42
Trichloride,[4] cyls.....lb. .15 - .16
Phthalamide bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50

Phthalic anhydride,[4] bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Pichi leaves, bgs.....lb. .08 - .09½
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vls..oz. 3.90 - 5.25
Nitrate, bots., vls.....oz. 3.80 - 5.15
Pimento,[1] Jamaica, bgs.....lb. .27 - .27½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. 1.90 - 2.00
Piperazine hexahydrate, bots..lb.16.00 - —
Pitch, burgundy (see B).
Coaltar,[2] 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Hardwood, paper bgs., works..lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 3.25 - —
stands, 200 lbs.....stand. 6.00 - —
Plaster of paris (see Gypsum).
Pleurisy root, Southern, bbls...lb. .20 - .22
Podophyllin, dms.....lb. 8.75 - 9.00
Pokeroot, bbls.....lb. .14 - .15
Polyamylnaphthalene, dms., l.c.l., works..lb. .25 - —
Pomegranate, root bark, bgs...lb. .80 - .85
Tree bark, bgs.....lb. 1.05 - 1.10
Poppy flowers, bales.....lb. .60 - .70
domestic, blue, bgs.....lb. No stocks
Seed, Canadian, bgs.....lb. .65 - .67
Dutch, bgs.....lb. .60 Nom.
Indian, white, bgs.....lb. .15 Nom.
Turkish, bgs.....lb. No stocks
cleaned, bgs.....lb. .45 - .46
Potash abietate.....lb. .08 - —
Acetate, USP, bbls., dms....lb. .28 - .30
cns.....lb. .31 - .33
Arsenite,[4] USP, solut., cbys., djns..lb. .13 - .15

Potash bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21
Bichromate,[4] bbls., cks., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10
Potash bichromate in bgs., ½c. less.
Carbonate, calc., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., dms., same basis..lb. .05¾- —
USP, gran., bbls., dms.....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, flake, 88-92% dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
42% basis, dms.....lb. .06¼- .06½
tanks .....lb. .02¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06½- —
l.c.l. .....lb. .06½- .06¾
Chromate,[4] bgs.....lb. .24 - .28
Chlorate,[2,4] cryst., bgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb. .119 - .13
powd., dms., kgs., c.l., works, lb. .09¾- .11¾
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .18 - .20
Chloride, cryst., tech., 98%, bgs., kgs..lb. .09 Nom.
Citrate, USP, gran., bbls., dms., lb. .33½- .33½
powd., 3c. per lb. higher.
Cyanide,[4] dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75%, sol., cns., cbys..lb. 1.65 - 1.67
dms., 1,000 lbs.....lb. 1.50 - —
100 lbs.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms.lb. 1.25 - 1.35
Hydroxide, USP, sticks, dms..lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.33 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Manure salt, dom.,[4] 22% $K_2O$, f.o.b. Carlsbad, N. M.....
unit-ton. .20 - —
22% $K_2O$, seasonal contract discounts to June 30, 1944, 12%.
25% $K_2O$, same basis.....
unit-ton. .21 - —
Metabisulphite, gran., bbls...lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom.,[4] 60-62-63% $K_2O$, bulk, ex vessel, ports.....
unit-ton. .53½- —
Seasonal contract discounts to June 30, 1944, 12%.
granular 50-52 $K_2O$.unit-ton. .56 - —
Russian,[5] offered from consignments afloat, subject to safe arrivals..unit-ton. .53¼- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of $K_2O$ less than ex vessel price, basis Trona, Cal., 8c. per unit of $K_2O$ less than ex vessel price at Pacific Coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .39
fine gran., bbls., dms.....lb. .28 - .31
Perchlorate,[4] kgs., works....lb. .09¼- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Prussiate, red, bbls., dms...lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, alkaline, lumps, bgs., works..lb. .07 - —
glass, bgs., c.l.....ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums., c.l., works..100 lbs. 4.25 - —
29° Be, ret. dms., l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulprate, NF, powd., bbls...lb. .15 - .21
Prices on granular 4c. higher.
tech., dms., bulk,[6] basis, 90-95%, $K_2SO_4$, min., 90% ex vessel, Atl. or Gulf ports..
ton.36.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .78
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate, bulk,[6] min., 49% $K_2SO_4$, 18.50% MgO, ex vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .35 - .40
Berries, bgs.....lb. .23 - .25
Prince's pine herb, bls.....lb. .40 - .50
Procaine hydrochloride, cns., 25 lbs..lb. 8.00 - —
smaller lots.....lb. 8.25 - 8.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, N.F., dms., c.l., f.o.b. Freeport, Tex., frt. equald. with So. Charleston, W. Va...lb. .15 - —
l.c.l., same basis.....lb. .16½- —
tanks .....lb. .14 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .68 - .69
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04½
Chl., ton lots.....lb. .04½- —
Pumice stone packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .38 - .40
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum[6] concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 c.c., dms., dlvd. gal. 5.75 - —
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd.gal. 8.50 - —
flowers,[6] coarse-grd. (g.f.p.), 0.9% pyrethrins, bbls., frt. alld..lb. .27 - .28
fine-grd., 0.9% pyrethrins, bbls. lb. .29 - —
1.3 pyrethrins, frt. alld., bbls..lb. .39 - —
powd.. 0.5 pyrethrins, bbls., frt. alld..lb. .23 - —


# Bemis MULTIWALL PAPER SHIPPING BAGS . . .

"SEWN WITH BEMIS SPECIAL THREAD, EH? SAY, THIS BAG IS CLOSED AS TIGHT AS A SCOTCHMAN'S POCKETBOOK"
"IT'S A SWELL ADVERTISEMENT..REGULAR BILLBOARD. AND BEMIS PRINTING MAKES IT STAND OUT ALMOST LIKE NEON LIGHTS"
"BEMIS MAKES ALL TYPES OF MULTI-WALL BAGS — SEWN OR PASTED, VALVE OR OPEN-MOUTH"
Your Brand
"WHEN YOU SEE THE BEMIS BAG-MAKER'S CERTIFICATE, ON A BAG, YOU CAN BET IT EXCEEDS THE CONSOLIDATED FREIGHT CLASSIFICATION REQUIREMENTS. PLENTY TOUGH, SURE 'NOUGH"
"IF YOU NEED A REAL WATERPROOF, MOISTUREPROOF BAG, BEMIS HAS IT"
"BEMIS BAGS ARE TAILOR-MADE TO YOUR REQUIREMENTS"

BEMIS BAGS

**CALL IN THE BEMIS MULTIWALL PAPER BAG EXPERT**

Bemis has a staff of Multiwall Paper Bag experts which are at your service whether you are a Bemis customer or not. Call upon us any time you have a troublesome packaging problem. You'll find the Bemis Man an expert in all phases of such problems, whether it be bag design, bag closing equipment, shipping or storing bags. Let him study your packaging operations. He may suggest ways to increase output, lower man power, cut costs or reduce waste. His call will cost you nothing and place you under no obligation.

BEMIS BRO. BAG CO.

Peoria, Ill. • East Pepperell, Mass. • Mobile, Ala. San Francisco, Calif. • Wilmington, Calif. • St. Helens, Ore.

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BETTER BAGS FOR 86 YEARS

Pyridin,[6] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis..lb. .45½- .46
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton.10.00 - —
325 mesh, same basis....ton.13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap, opaque, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China, white, ivory, cs., works..lb. .13 - —
dense, white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, cs., works. lb. .04 - —
translucent pastels, cs., works. lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
mixed colors, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

# Q

Quassia chips, bls.....lb. .10 - .15
Quebracho extract,[6] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight $12; insurance $1 per ton. Any difference for buyers account. Current freight $21.60; WSA insurance $3.75 per ton..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .05¼- —
dissolved, 55% tan., bbls., works..lb. .04½- —
tanks, works.....lb. .04 - —
ground, bgs., c.l.....lb. .06½- —
l.c.l., bgs.....lb. .09 - —
Queen of the meadow leaves, bgs..lb. .12 - .13
Root, bgs.....lb. .11 - .13
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1,2] flasks (76 lbs. net)..flask.130.00 -135.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[4] NF V, cryst., cns.oz. 1.06 + .13½*
powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

* Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[4] NF, cns., 100 ozs...oz. .84 + .13½
Acetate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenite, cns., 100 ozs.....oz. 1.07 + .13½
Bisulphite, USP, cns., 100 ozs., oz. .80 + .13½
Citrate, cns., 100 ozs.....oz. .78 + .13½
Dihydrobromide, bots., 50 ozs., oz. .86 + .13½
Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½
Ferrocyanide, cns., 100 ozs..oz. 1.07 + .13½
Formate, cns., 100 ozs.....oz. 1.00 + .13½
Glycerophosphate, cns., 100 ozs.. oz. 1.20 + .13½
Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½
Hydriodide, cns., 100 ozs..oz. 1.05 + .13½
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13½
Phosphate, NF, cns., 100 ozs., oz. .90 + .13½
Salicylate, NF, cns., 100 ozs. oz. .79 + .13½
Sulphate, USP, cns., 100 ozs.oz. .67 + .13½
Sulphocarbolate, cns., 100 ozs., oz. 1.05 + .13½
Tannate, USP X, cns., 100 ozs., oz. .63 + .13½
Valerate, NF IV, 100 ozs...oz. .99 + .13½
Tartrate, cns., 100 ozs.....oz. 1.03 + .13½

* Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[4] USP, cns..oz. .81 + .13½*
Surcharge; see note under Quinine.
Quinoline, dms., c.l., works...lb. .24½- .27½

# R

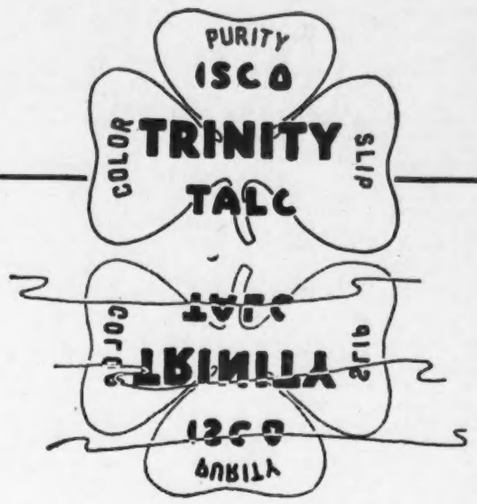
R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. .95 - 1.00
Red, alizarin lake,[3] bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.65c. per lb. higher dlvd. Pacific Coast; prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium, lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .90 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works.. lb. 2.50 - —
light, same basis.....lb. 2.20 - —
works..lb. 1.50 - —
orange, bbls., 100-lb. lots,
Carmine, 40, dms., 100 lbs., works..lb. 4.00 - —
smaller lots, works.....lb. 4.75 - 5.25
Crocus martis (see Red, purple oxide.
Dyes (see Dyes, red).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., wks..lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis.lb. .07¾- —
imp., English, all shades..lb. .12 - —
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Red, litho toner, alizarin, lake, bbls., works—lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works...lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1 20 - —
Red, maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide,[2] tech., bbls., 10,000 lbs., works..lb. 2.80 - —
smaller lots.....lb. 2.91 - —
Metallic, bbls., l'a. works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works. lb. .09 - —
l.c.l., bbls.....lb. .09¾- —
reduced, 85%, copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08½- .906
Para,[3] toner concent., alizarin lake, kgs., works..lb. .70 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 - —
Lake, alizarin, kgs., works.lb. .35 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04½- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - .40
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.75 - 2.85
Red precipitate,[2] NF, powd., fib. dms..lb. 3.06 - 3.08
Red saunders wood, grd., bbls. lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .75
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .11 - .12
Rhubarb, whole, cs.....lb. .82 - 2.50
powd., bbls.....lb. .95 - 2.60
Riboflavin,[4] bots., 100 grams..kilo.280.00- —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't. lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, ozs.....lb. 1.55 - 1.60
Leaves, Portuguese, bls.....lb. .08¼- .08¾
Spanish, bls.....lb. .14 - .14½
Rosin, gum—
B, dms.....100 lbs. 4.66 - —
D, dms.....100 lbs. 4.97 - —
E, dms.....100 lbs. 5.25 - —
F, dms.....100 lbs. 5.30 - —
G, dms.....100 lbs. 5.38 - —
H, dms.....100 lbs. 5.38 - —
I, dms.....100 lbs. 5.38 - —
K, dms.....100 lbs. 5.43 - —
M, dms.....100 lbs. 5.48 - —
N, dms.....100 lbs. 5.60 - —
W.G., dms.....100 lbs. 7.28 - —
W.W., dms.....100 lbs. 7.32 - —
X, dms.....100 lbs. 7.32 - —
Wood, F.F., dms.....100 lbs. 3.64 - 3.96
Rottenstone, bgs., c.l., mines.ton.25.50 - —
l.c.l., same basis.....ton.37.50 - —
Rue, bls.....lb. .75 - .80

# S

Sabadilla seed, powd., bbls....lb. .29 - .31
Saccharin,[1] soda (soluble), dms., makers, primary distrib., 1,000 lbs. up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. .70 - .75
Spanish, tins.....lb.40.00 -42.00
Safrol, cns.....lb. 1.35 - 1.50
Sage,[1] Cyprus, good, bls.....lb. .22 - .25
Spanish, bls.....lb. .22½- .23
Sago flour, sks.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Salol, gran., bbls., kgs...lb. .90 - —
fib. dms.....lb. .92 - .93
powder, 10c. per lb. higher.
Salt, rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.00 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
t.c.l. .....ton.19.40 -22.20
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots .....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons.... 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.6
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., cns.....kilo.200.00 -210.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, Amer., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .60
Mexican, bls.....lb. .18 - .21
Sassafras bark, ord., bls.....lb. .35 - .40
select, bls.....lb. .60 - .65
Savory, Spanish, bls.....lb. .45 - .47
Saw palmetto berries, bgs....lb. .20 - .25
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. No stocks
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34 - —
Selenium, pwd., cs., 1,000 lbs..lb. 1.75 - —
cns., 10 lbs.....lb. 1.85 - —
Senega root, spot, bls.....lb. .90 - .95
Senna, Alex., half leaf, bls...lb. .22 - .23
siftings, bgs.....lb. .22 - .24
Tinnevelly, No. 1, bls.....lb. .16 - .16½
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10½
powd., bbls., bxs.....lb. .15 - .17
Pods, bls.....lb. .13 - .16
Serpentaria root, bls.....lb. .84 - .85
Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs., lb. No stocks
natural, bgs.....lb. .11 Nom.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WHITE STEATITE GRADES
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**All in 50 lb. bag packing**

INNIS, SPEIDEN & COMPANY
Established 1836
117 Liberty Street . . . . . NEW YORK
BOSTON • CHICAGO • CINCINNATI
CLEVELAND • GLOVERSVILLE • PHILADELPHIA

Shellac,[1,6] bonedry, bbls., 1,500 lbs..lb. .42½ - —
Boston .....lb. .43½ - —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500 lbs.....lb. .48½ - —
Boston .....lb. .40½ - —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3), kgs., 3c. more.
D.C., U.S.O., Diamond I, bgs., lots of 100..lb. .4660 - —
Garnet, bgs., lots of 100.....lb. .3890 - —
Superfine, bgs., Boston, N. Y., lots of 100..lb. .3660 - —
Chicago, lots of 100.....lb. .3710 - —
Pacific coast, lots of 100....lb. .3960 - —
T.N., bgs., Boston, N. Y., lots of 100..lb. .3550 - —
Chicago, lots of 100.....lb. .3600 - —
Pacific coast, lots of 100...lb. .3805 - —
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Shortening, trcs.....100 lbs.16.50 -17.00
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works, ton.17.00 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh., bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.21.00 - —
400 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.23.00 -25.00
Silica, hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis, ton.13.50 - —
l.c.l., same basis.....ton.18.50 - —
140 mesh, bgs., c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.16.00 - —
Silicon tetrachloride, tech., dms., 55 gals., c.l., works..lb. .15½ - —
l.c.l., works.....lb. .18½ - —
10 gals., works.....lb. .27 - —
Silver bullion.....oz. .44¾ - —
govt. purchase, dom.....oz. .7111 - —
govt. purchase,[1] foreign...oz. .44¾ - —
Cyanide, cns., 100 ozs.....oz. .41½ - —
Nitrate, 100-ozs. bots.....oz. .52¾ - —
Nucleinate, bots., dms.....oz. .308 - .35
Proteinate, bots., dms.....oz. .288 - .338
Simarubra bark, bls.....lb. .52 - .55
Skunk cabbage root, bls.....lb. No stocks
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .70 - .75
Smalt, black, cns.....lb. .05 - .06
Blue, cns.....lb. .07 - .08½
Snakeroot, Canada [illegible]s.....lb. .40 - .42
Soapbark, bls.....lb. .11¾ - .12½
crushed, bls., bbls.....lb. .13 - .14
cut, dom., bls., bbls.....lb. .16 - .19
imp., bbls.....lb. .18 - .19
powd., bbls.....lb. .17 - .18
Soda acetate, anhyd., dms., divd., lb. .08½ - .10
flake, gran., powd., 60% bbls., c.l., divd..lb. .05 - —
l.c.l., divd.....lb. .05½ - .06
NF VII, bbls., divd.....lb. .09½ - .10
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.80
Aluminate,[6] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works, 100 lbs. 7.00 - —
l.c.l.....100 lbs. 7.50 - 8.00
Antimoniate, bbls., divd....lb. .15 - .15½
Soda arsenate,[6] dms., dealers, c.l., works..lb. .09½ - —
l.c.l., same basis.....lb .10¾ - .11¼
Arsenite,[6] gray, dms., c.l., dealers, works...lb. .08¼ - —
l.c.l., dealers, works...lb. .09 - .10
Soda, arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., divd., zone 1..100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.95 - —
bbls., c.l., works.....100 lbs. 1.85 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works.....100 lbs. .95 - —
extra light, 58%, bgs., c.l., works..100 lbs. 1.13 - —
l.c.l., divd. zone 1..100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., divd., zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.13
l.c.l., divd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., divd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
Soda ash light, 58%, bulk, c.l., 100 lbs. .90 - —
Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 93°, Ga., Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. N. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex. W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .43
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l., works.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works.... 100 lbs. 1.85 - —
l.c.l. .....100 lbs. 2.51 - —
kgs., c.l., works....100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.76 - —
Bichromate,[6] spot, bbls., cks., c.l., works...lb. .07¾ - —
l.c.l., works.....lb. .07½ - .07¾
Soda bichromate in bgs., ¼c. less.
Bifluoride, bbl., c.l., frt. alld. E..lb. .11½ - —
l.c.l., same basis.....lb. .12 - .14
kgs., l.c.l., same basis.....lb. .12½ - .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.30 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
44°, bbls., works.....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, NF, gran., bbls., 500 lbs., works..lb. .27 - .29
fiber dms., works, 100 lbs., lb. .28 - .31
Cacodylate, 5-lb. bots., works, lb.17.00 - —
Carbonate (see Soda ash, soda monohydrated, soda salt).
Caustic flake, powd., 70%, dms., c.l., works..100 lbs. 3.70 - —
l.c.l., zone 1, divd..... 100 lbs. 3.55 - —
2, divd.....100 lbs. 3.70 - 5.05
3, divd.....100 lbs. 4.95 - 5.30
4, divd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½ - —
sellers' tanks, works.... 100 lbs. 1.95 - —
76%, buyers' tanks, works, 100 lbs. 1.97½ - —
sellers' tanks, works... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., zone 1, divd..... 100 lbs. 3.15 - —
2, divd. .....100 lbs. 3.30 - —
3, divd. .....100 lbs. 3.55 - —
Caustic soda zones are same as soda ash.
Chloride (see Salt).
Chlorate,[6] dom., cryst., bgs c.l., works..lb. .06¼ - —
l.c.l., works .....lb. .06½ - —
powd., bgs., c.l., works..lb. .06½ - —
l.c.l., works .....lb. .07 - .08½
Chromate,[2,6] bbls., cks., c.l., works, frt. equald..lb. .08¾ - —
l.c.l., works, frt. equald..lb. .08¾ - .09½
Soda chromate in bgs. is ½c. lower.
Citrate, USP VIII, bbls.....lb. .18½ - —
dms. .....lb. .19½ - .20½
USP gran., bbls. .....lb. .24 - —
dms. .....lb. .24 - .25
powd., bbls.....lb. .24½ - —
dms. .....lb. .24½ - .26½
Cyanide,[6] 96-98%, dms.....lb. .14¼ - .15
Diacetate, 33-35% acidity, bbls., divd..lb. .09½ - .10½
anhy., dms., divd.....lb. .13½ - —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works .....lb. .08 - —
95%, bbls., c.l., works..lb. .07¼ - —
l.c.l., works .....lb. .08¼ - —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, cryst., bbls., 1,000 lbs..lb. 1.25 - —
smaller lots .....lb. 1.40 - 1.65
powdered, 5c. higher.
solution, 50% cbys., cns....lb. .82 - .90
Hydrosulphite, dms., frt. alld., lb. .17 - .18
Hydroxide, USP, sticks dms..lb. .14½ - .25
Hypophosphite, NF, cns.....lb .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis..100 lbs. 2.50 - —
pea, bgs., c.l., works.100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.75 - 3.95
Soda hyposulphite in bbls., 20c higher; in dms., 50c. higher.
Iodate, dms., jars.....lb. 5.40 - 5.45
Iodide, bots. .....lb. 2.53 - 2.57
dms., jars .....lb. 2.42 - —
Mandelate, dms. .....lb. 3.25 - 3.35
Metanilate, bgs. .....lb. .40 - —
Metasilicate,[2] anhyd., dms., c.l., works, frt. equald..... 100 lbs. 4.00 - —
l.c.l., same basis..100 lbs. 4.90 - 5.30
gran., bbls., c.l., works, frt. equald..lb. 2.50 - —
l.c.l., divd.....100 lbs. 3.50 - 3.65
Molybdate,[6] anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 3.00 - —
works .....100 lbs. 2.55 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, same basis.....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse..ton.33.00 - —
200-lb. bgs., same basis.. ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons... 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equald..lb. .06¾ - —
West Coast ports..... 100 lbs. 8.00 - 8.05
l.c.l., divd.....100 lbs. 8.90 -11.90

When imports of salt cake were cut off by the war in 1939, disaster loomed for the southern kraft paper industry. But Mathieson Research, in anticipation of this crisis, had mated determination with ingenuity to score a bulls-eye — *the creation of Mathieson Synthetic Salt Cake!*

Before the shortage of the natural product materialized, production of synthetic salt cake was in full swing and shipments speeding to the kraft mills. This prevented severe dislocations in manufacture and enabled the industry to proceed at capacity production.

With such discoveries that dovetail into industry's quest for swifter, more efficient production and decreased processing costs, Mathieson Research hits the bulls-eye often.

**Mathieson**
CHEMICALS

THE MATHIESON ALKALI WORKS (INC.) 60 EAST 42nd STREET, NEW YORK 17, N. Y.

CAUSTIC SODA . . . SODA ASH . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER . . . AMMONIA, ANHYDROUS & AQUA . . . HTH PRODUCTS . . . FUSED ALKALI PRODUCTS . . . SYNTHETIC SALT CAKE . . . DRY ICE . . . CARBONIC GAS . . . SODIUM CHLORITE PRODUCTS . . . SODIUM METHYLATE

Soda orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.50 - —
l.c.l., same basis.100 lbs. 5.45 - 5.85
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bbls.....lb. .10 - .11
Pentachlorophenate briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald..lb. .17 - —
kgs., works, frt. equald..lb. .19 - —
Pantothenate, dext., 100-gram bots..per gram. .15 - —
Perborate,[5] NF, bbls., c.l., works..lb. .14⅝- —
l.c.l., works.....lb. .15½- —
Peroxide,[6] dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate,[4] dibasic, tech., anhyd., bgs., c.l., works... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.25
cryst., bgs., c.l., works... 100 lbs. 2.55 - 2.70
l.c.l., works.....lb. 2.95 - 3.45
USP, bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works, lb. .11½- .12
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
tribasic,[4] anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
cryst., bgs., c.l., same basis..100 lbs. 2.70 - —
l.c.l., same basis.100 lbs. 3.40 - —
kgs., c.l., works..100 lbs. 3.40 - —
l.c.l., works....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. is 20c. higher.
Prussiate, yellow, bgs., contracts, works..lb. .09¾- .10¼
spot .....lb. .10¾- —
bbls., contract, works....lb. .10 - .10¼
spot .....lb. .11 - —
Pyrophosphate,[4] anhyd., bgs., c.l., works, frt. equald..... 100 lbs. 5.28 - 6.16
l.c.l., same basis..100 lbs. 5.40 - 6.60
bbls., c.l., wks., frt. equald., 100 lbs. 5.45 - 6.30
l.c.l., same basis..100 lbs. 5.60 - 6.60
Ricinoleate, tech., bbls.....lb. .12 - —
Sal hgs. .....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, bbls., dms., kgs..lb. .52 - .58
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works..100 lbs. 1.70 - —
l.c.l., zone 1, dlvd..100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.30
tanks, works.....ton. 13.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton. 25.00 - —
Silicofluoride, bbls., c.l., works, lb. .06½- .07
l.c.l., same basis.....lb. .08 - .12
Stannate, dms., works, frt. alld. E..lb. .32½- .38½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., bbls., c.l., works..100 lbs. 1 70 - 1.90
5 tons or more, works. 100 lbs. 1.95 - 2.15
less than 5 tons, works. 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
USP, cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., works. 100 lbs. 2.10 - 2.35
bbls., same basis.....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l. .....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .31
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - .08
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-formaldehyde sulphoxylate, stand cont. (125-250 lbs.)..lb. .19 - .22
Solvent naphtha, dms., wks..gal. .31 - .32
tanks, E. of Omaha, frt. alld. to 2c. per gal...gal. .27 - —
Minnequa, Colo.....gal. .27 - —
high-flash, dms., works...gal. .32 - —
tanks, frt. alld. E. of Omaha. gal. .27 - —
Sorbitol,[6] com'l, dms., works..lb. .17½- —
Soybean meal,[1] 41%, Decatur, bulk, c.l..ton. 45.00 - —
Protein, alpha, bgs., 40,000-60,000 lbs., works..lb. .19 - —
100-40,000 lbs., works...lb. .19¼- .19½
less than 100 lbs., works. lb. .23 - —
Sparteine sulphate, bots., cns..oz. 2.25 - 2.75
Spearmint leaves, bls.....lb. .45 - .47
Spikenard root, bls.....lb. .50 - .55
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squawvine leaves, bls.....lb. .14 - .15
Squill red, powd.....lb. .55 - .60
White, bls.....lb. .14 - .16
powd., bbls., bxs.....lb. .15 - .19
St. Ignatius beans, bgs.....lb. .43 - .60
St. John's bread, edible, bls...lb. .17 - .18
Starch, corn, pearl, bgs.100 lbs. 4.05 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .05 - —
Starch iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .11 - .12
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.35 - 1.50
Stramonium leaves, bgs.....lb. .22 - .28
Seed, bgs.....lb. .20 - .21

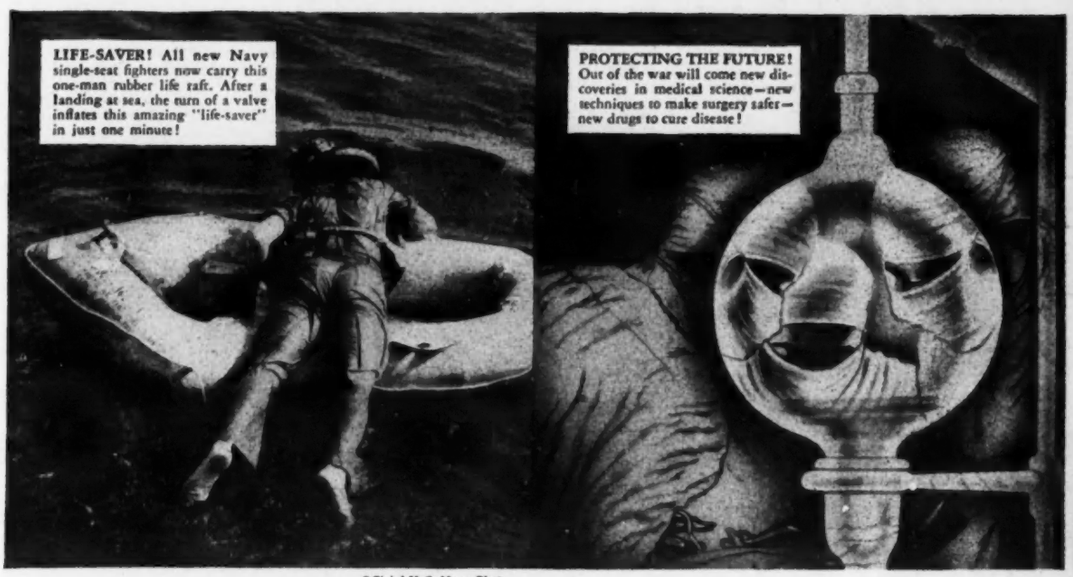
Strontium bromide, cns., dms..lb. .53 - .54
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., kgs., Phila..lb. .25 - .27
Iodide, bots.....lb. 3.00 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls.....lb. .07¼- —
Salicylate, bbls., kgs.....lb. 1.10 - —
dms. .....lb. 1.13 - —
Sulphate, nat., 92% min., air-floated, 300 mesh, c.l., works..ton. 52.00 - —
l.c.l., works.....ton. 54.00 - —
Strontium-calcium sulphide, phosphorescent, works, frt. alld., lb. 2.50 - 2.65
Strophanthin, bots.....oz. 30.00 - 37.00
Strophanthus seed, Kombe, bgs. lb. 2.65 - 2.70
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Strychnine, cryst., cns., 100 ozs. oz. .70 - —
powd., cns., 100 ozs.....oz. .80 - —
Acetate, cns., 100 ozs.....oz. .88 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .85 - —
Glycerophosphate, cns., 100 ozs. oz. .80 - —
Hydrochloride, cns., 100 ozs..oz. .88 - —
Hypophosphite, 25-oz. cns., 100 ozs..oz. 1.00 - —
Nitrate, 100 ozs.....oz. .82 - —
Phosphate, 100 ozs.....oz. .80 - —
Sulphate, cryst., cns., 100 ozs. oz. .55 - —
powd., cns., 100 ozs.....oz. .48 - —

Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works..lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, 100-lb. dms.....lb. 11.50 - —
Sulphaguanidin, 100-lb. dms...lb. 5.50 - —
Sulphanilamide, bots.....lb. 1.35 - —
fib. dms.....lb. .90 - 1.00
Sulphapyridin, powd., bots., tins. lb. 5.00 - 5.30
Sulphathiazole, dms.....lb. 2.50 - —
smaller lots.....lb. 3.00 - 4.00
Sesquihydrate, prices same as sulphathiazole.
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, bgs., c.l., works. l.c.l., works.....100 lbs. 2.00 - 2.15
bulk, mines, contracts..... long ton. 16.00 - —
f.o.b. vessels, Gulf ports, contract..long ton. 17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.15
precipitated, USP, bbls., kgs., lb. .13 - .30
refined, flour, extra fine, bgs... 100 lbs. 1.65 - —
c.l., works..100 lbs. 2.00 - —
l.c.l., works....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works.. 100 lbs. 2.60 - —
l.c.l., works....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.. 100 lbs. 2.70 - —
l.c.l., works....100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 25c. higher.
USP, bgs., c.l., works.. 100 lbs. 3.05 - —
l.c.l., works....100 lbs. 3.40 - 3.55
rock, bbls., c.l., works..100 lbs. 2.20 - —
l.c.l., works....100 lbs. 2.55 - 2.70

Sulphur refined, roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works....100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works....lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, cyls., works.lb. .07 - .08
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - .06
refrigeration, cyls., works.lb. .13 - .21
multi-unit cars, works..lb. .06½- —
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac berries, bgs.....lb. .12 - .18
extract, No. 1, bbls.....lb. .03 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. No stocks
Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, prodcction points, Balto..unit-ton. .54 - —
Florida .....unit-ton. .50 - .58
22%, a.p.a., bulk, prod. points..unit-ton. .55 - .84
deliver points, Ariz., Calif., Colo., Ida., Kans., Nev., N.M., Ore., Utah, Wash., 85½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $3.03 per ton.
Superphosphate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 19%, 19% or 20% a.p.a., ½c. per unit-ton higher.
triple, 40% and more a.p.a., bulk, producing points, Florida..unit-ton. .62 - —
South Carolina..unit-ton. .63 - —
Tennessee .....unit-ton. .74 - —
Other States and D.C., 63c. per unit-ton plus frt. charge for 40% from E. Tampa, Fla.


# SOLVAY*

## ...KEYED TO TODAY AND TOMORROW!


LIFE-SAVER! All new Navy single-seat fighters now carry this one-man rubber life raft. After a landing at sea, the turn of a valve inflates this amazing "life-saver" in just one minute!
PROTECTING THE FUTURE! Out of the war will come new discoveries in medical science—new techniques to make surgery safer—new drugs to cure disease!

*Official U. S. Navy Photo*

*Today* . . . Solvay Alkalies are helping in the production of rubber life rafts, parachutes, medical kits and special food containers. These new devices are keeping casualties down, enabling fighting men to live and fly again! As new fighting fronts open, Solvay will continue to devote its facilities to the increasing needs of the armed forces!

*Tomorrow* . . . Solvay Alkalies, backed by over 60 years of experience and continuous research, will make their special contribution to the great new discoveries of medical science—safeguarding the health of a nation and its workers—and dedicated to the further advancement of industry! Look to Solvay for highest quality alkalies!

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TRADE MARK REG. U. S. PAT. OFF.

* The Solvay Process Company employs salt, limestone and ammonia to make Soda Ash, from which basic material Caustic Soda and other alkalies are derived.

**SODA ASH • CAUSTIC SODA**
AMMONIUM CHLORIDE • CAUSTIC POTASH
MODIFIED SODAS • AMMONIUM BICARBONATE
SODIUM NITRITE • PARA-DICHLOROBENZENE
CALCIUM CHLORIDE • CHLORINE • SALT
POTASSIUM CARBONATE

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*BRANCH SALES OFFICES:*
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New Orleans • New York • Philadelphia • Pittsburgh • St. Louis • Syracuse

# T

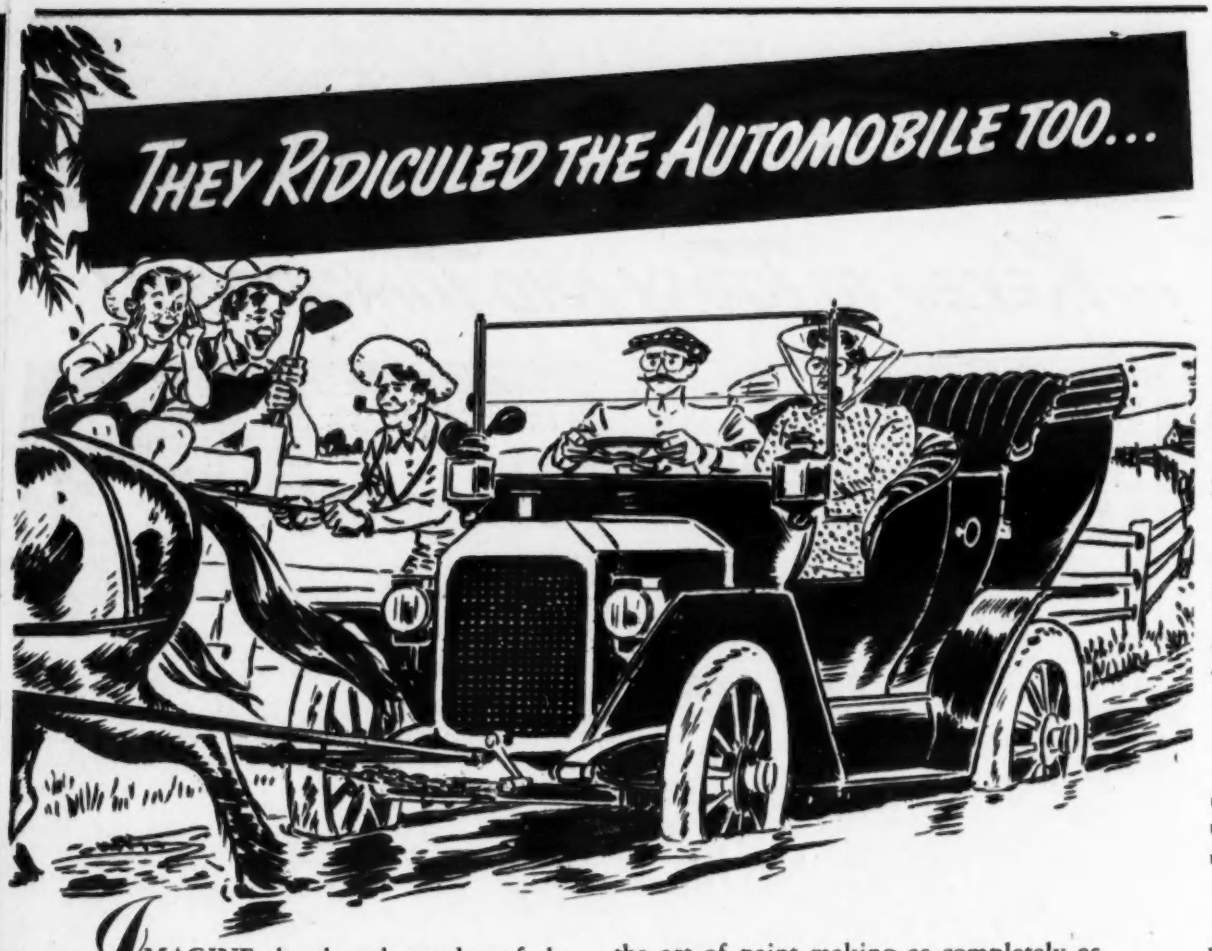
Talc, grd., dom., aluminum-flake type, bgs., c.l., works. ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., works..ton.17.50 -43.00
N.Y., fibrous, coarse, off-color, bgs., c.l., works..ton.13.00 - —
fine, 325 mesh, 93-94%, bgs., c.l., works..ton.13.00 -18.00
98-99.5%, bgs., c.l., wks. ton.15.25 -19.25
99.55-99.95%, bgs., c.l., works..ton.17.00 -21.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
imp., Canad., bgs., c.l.....ton.24.00 -30.00
Tallow,[1,2] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08½- —
sulphonated, 50% (24% fat), dms., c.l..lb. .05¾- —
50% (42% fat), dms., c.l...lb. .06¾- —
50% (48% fat), dms., c.l..lb. .07¾- —
Tallow, sulphonated, l.c.l., 1c. higher.
Tamarind, bbls.....lb. .14 - .15
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tansy leaves, bls.....lb. .23 - .24
Tapioca flour,[1,2] Brazil, bgs...lb. .07¼- —
Java, bgs.....lb. .07¼- —
Tar acid oil,[2,6] 15-18%, dms., c.l., works..gal. .26½- .27½
l.c.l., works.....gal. .28½- .29½
25%, dms., c.l., works....gal. .30 - .31½
l.c.l., works.....gal. .33 - .33½
Pine, retort, dms., c.l., divd East..gal. .32¾- —
l.c.l., f.o.b. works.....gal. .29¾- —
tanks, divd. East.....gal. .27 - —
tanks, East.....gal. .24¼- —
Tara, powd.....ton.145.00 Nom.
Tarragon herb, bgs.....lb. 1.50 - 1.70
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls.....lb. .52¾- .53
South..lb. .24½- —
l.c.l., South.....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
Terpin hydrate, com'l, bbls., c.l., powd., bbls., dms.....lb. .75 - .80
Terpineol, com'l dms., c.l., South. lb. .13¼- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .85 - .90
alpha (see A).
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terpinylglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks.lb. .08 - .08½
Tetrachlorethylene, N.F., VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works..lb.12.50 - —
Theobromine,[1,6] makers, primary distrib., dms., 25-lb. lots..lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride,[6] bots., dms., 100 grams..kilo.200.00- —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works....lb. 2.00 - —
Thyme,[1] Spanish, bls.....lb. .21 - .21½
Thymol, cns.....lb. 2.40 - 2.75
Iodide, bots.....lb. 3.88 - 4.19
dms. .....lb. 3.40 - 3.80
Tikitiki (see Rice bran).
Timbo root,[2,6] (see Cube root).
Tin chloride, anhydrous.....lb. No stocks
Crystals, bbls., bgs.....lb. No stocks
Metal,[1,4] Straits.....lb. .52 - —
Oxide, bbls.....lb. No stocks
Tetrachloride, anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,3] chalk resistant, bgs., c.l., divd..lb. .15 - —
l.c.l., 5 tons one deliv., divd..lb. .15¼- —
smaller lots, divd....lb. .15½- .15¾
nonchalking,[5] bgs., c.l., divd. E..lb. .16½- —
l.c.l., 5 tons one deliv., divd..lb. .16¾- —
smaller lots, divd.....lb. .17 - .17¼
plain,[5] bgs., c.l., divd.....lb. .14½- —
l.c.l., 5 tons one delivery, divd..lb. .14¾- —
smaller lots, divd.....lb. .15 - .15½
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[6] bgs., c.l., divd..lb. .05¾- —
l.c.l., divd.....lb. .06 - —
calcium base,[6] bgs., c.l., divd., lb. .05½- —
l.c.l., divd.....lb. .05¾- —
Titanium pigment, calcium-rutile base,[6] bgs., c.l., divd.....lb. .05½- —
l.c.l., divd.....lb. .05¾- —
magnesium base,[6] bgs., c.l., divd..lb. .05¾- —
l.c.l., divd.....lb. .06 - —
Titanium dioxide and pigment in bbls. ¼c. higher; Pac. cst., ¼c. higher, c.l., divd., l.c.l., ex whse.
Tetrachloride, CP, dms., works, 55-gal..lb. .57 - —
smaller pkgs. works.....lb. .65 - 1.25
technical, 55-gal. dms., works, lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. .80 - .82
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
mixed, dms.....lb. .26 - —
Toluol[6] (toluene), 2° indus., dms., return..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .28 - —
West, Minnequa, Colo....gal. .28 - —
1° nitration, dms., return...gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½- —
West, Minnequa, Colo...gal. .29½- —
Tonga, 50% bark and vine, bbls.lb. .90 - .95
Tonka beans, Angostura, cks..lb. 2.50 - 2.80
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs., oz. .52 - —
Triacetin, dms.....lb. .34 - —
Triamyl borate, dms., works...lb. .33 - —
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms...lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., divd...lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l. .....lb. .83 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichloroethylene,[6] dms., c.l., works, frt. alld. Zone 1..lb. .08 - —
Zone 2, same basis.....lb. .08½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene l.c.l., prices, ¼c. higher. Zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N.J., N. Y., N.C., Ohio, Pa., R.I., Tenn., Vt., Va., W. Va., Wis., Omaha, K.C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N.D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[6] CP, cns., works..lb. .43½- .54½
dms., c.l., divd.....lb. .37½- —
l.c.l., divd.....lb. .40½- —
tech., cns., works.....lb. .23½- .45½
dms., c.l., divd.....lb. .25 - .31
l.c.l., divd.....lb. .25½- .31½
tanks, divd.....lb. .24 - .30
Triethanolamine,[6] dms., c.l., works..lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethyl phosphate, cns.....lb. .46 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethylenegiycol[6] dms.....lb. .26 - —
Trimethylamine, dms., c.l., divd. lb. .95 - —
l.c.l., divd.....lb. .90 - —
Triphenyl phosphate,[6] bbls....lb. .21 - .23
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works. ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,6] (see Derris root).
Tungsten metal, powd.,[6] 98-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Aleppey, bgs..lb. .12 - .12½
Madras, bgs .....lb. .12 Nom.
Turpentine, gum, dms.....gal. .88¾- .91¾
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist., dms.....gal. .77 - .80
tanks .....gal. .72 - —

# U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports. ton.57.40 - —
Urea-ammonia liquor, 45% N., tankcars, c.l., works or A. or G ports..ton N.121.58 - —
37% N. (insoluble), same basis. ton N.127.00 - —
Uva ursi leaves, bls.....lb. .22 - .23

# V

Valerian root, N. F., bls.....lb. .65 - .70
Valonia, beards, bgs., f.a.s..ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb. 9.25 - 9.50
Mexican, cuts, tins.....lb. 8.25 - 8.75
whole, tins.....lb. 9.00 -11.00
Tahiti, white label, tins...lb. 3.75 - 4.00
yellow label, tins.....lb. 3.50 - 3.75
West Indian, tins.....lb. 8.00 - 8.50
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate,[6] cbys., wks....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works....lb. .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Vinylpyridin, ref. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol).. mil units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
$B_1$ (see Thiamine hydrochloride).
$B_2$ (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
E (see Alpha Tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).


IMAGINE the thoughts today of the paint manufacturer who said to the TITANOX salesman, a quarter century ago, "Why, we can't use that stuff, it's just a chemical curiosity".

Perhaps it was, but the automobile, the airplane, radio, television, the diesel engine and dozens of other MODERN products also were curiosities not long before then.

Faith, determination, study and application have changed all that. Today TITANOX pigments have revolutionized the art of paint making as completely as the automobile and the airplane have revolutionized transportation — as radio and television have modernized communications — as the diesel engine has created new conceptions of power.

TITANOX pigments are the outstanding representatives of modernity in the white pigment field. The importance of their contributions to paints for war-time and peace-time uses is universally recognized.

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TITANOX
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TRADE MARK

## W

Wahoo, root bark, bls.....lb. .00 - .05
Tree bark, bls.....lb. .28 - .30
Wattlebark, E. Afr., bgs., f.a.s., based on freight $11; insurance $1 per ton. Difference for buyers account. Current freight $11.70; WSA insurance $2.75 per ton.ton.46.00 - —
So. Afr., bgs., f.a.s., based on freight $11; insurance $1 per ton. Difference for buyers account. Current freight $11.05; WSA insurance $3 per ton.46.00 -48.50
liquid, bbls.....lb. .05¾- —
tanks.....lb. .05½- —
solid, bgs., based on freight $20; insurance $2.50 per ton. Difference for buyers account. Current freight $16.90; WSA insurance $8.75 per ton..lb. .04475- .0460
Wax, amorphous, 160°-165°, m.p., amber, ctns., 30 tons yearly, contract, group 3, works.lb. .14½- —
smaller lots.....lb. .14½- .15¼
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots.....lb. .13 - .13¾
white, cnts., 30 tons, same basis..lb. .24¾- —
smaller lots.....lb. .25 - .25¾
180°-185° m.p., amber, cnts., 30 tons, same basis.lb. .16¼- —
smaller lots.....lb. .16½- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots.....lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .26¾- —
Bayberry, bgs.....lb. No stocks
Bees[1], bleached, USP, white, bricks, bgs., ton..lb. .58 - —
discs or cakes, bgs., ton.lb. .60 - —
ctns., ton.....lb. .61 - .63
slabs, bgs., ton.....lb. .57 - —
yellow, crude, African, bgs., ton..lb. .37½- —
Cent. or So. Amer., sun-bleachable, bgs., ton.lb. .44¾- —
unbleachable, bgs., ton.lb. .41½- —
ref'd, USP, bricks, bgs., ton. lb. .53½- —
discs, bgs., ton.....lb. .55½- —
ctns., ton.....lb. .56½- .56½
rounds or squares, bgs., ton..lb. .57½- —
ctns., ton.....lb. .58½- .60½
slabs, bgs., ton.....lb. .52½- —
Candelilla,[2] crude, bgs., ton..lb. .33 - —
smaller lots.....lb. .39 - .43
Candelilla, powdered, 20 mesh, 6c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton.....lb. .44 - —
smaller lots.....lb. .45 - .54
Carnauba,[1] chalky No. 3, bgs., ton..lb. .71¾- —
smaller lots.....lb. .72¾- .81¼
North Country No. 2, bgs., ton..lb. .75¾- —
smaller lots.....lb. .76¾- .85¾
No. 3, bgs., ton.....lb. .73½- —
smaller lots.....lb. .74½- .83¼
refined, bgs., ton.....lb. .76¾- .90
smaller lots.....lb. .77¾- .90
yellow, No. 1, bgs., ton....lb. .83¼- —
smaller lots.....lb. .84¼- .93¼
No. 2, bgs., ton.....lb. .81¼- —
smaller lots.....lb. .82¼- .91¼
No. 3, bgs., ton.....lb. .79 - —
smaller lots.....lb. .80 - .89
powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., 1 ton. lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., 1 ton. lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Montan, bgs.....lb. No stocks
Ouricury,[1] bgs., ton.....lb. .49½- .51¾
smaller lots.....lb. .50½- .61¾
powdered (same differentials as candelilla)
refined, bgs., ton.....lb. .62 - —
smaller lots.....lb. .63 - .72
Paraffin (see under P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White pine bark, natural, bls. lb. .04 - .07¼
rossed, bls.....lb. .14 - .15
White precipitate,[3] powd., dms., 50 lbs. or more..lb. 2.64 - —
Whiting, chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l.....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -26.00
l.c.l.....ton.25.00 -29.00
gliders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l.....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l.....ton.23.00 -27.00
Paris white, bgs., c.l..ton.24.00 -28.00
limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works ton. 6.00 - —
smaller lots, N.E., wks. ton. 7.00 - 9.00
wet-grd., air-floated, 300 mesh, 98½%, bgs., c.l..ton. 9.35 -10.10
200 mesh, bgs., c.l....ton. 8.60 - 9.50
90%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gliders, bgs., c.l..ton.13.00 - —
gliders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l.....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .05¼- .06
rossed, bls.....lb. .15 - .18
thin, bls.....lb. .16 - .17
rossel, green, bls.....lb. .22 - .23
Wild indigo root, bls.....lb. .18 - .19
Witch-hazel extract, dist., NF, bbls..gal. .70 - .75
Leaves, bls.....lb. .10 - .12
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N.Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .23
Levant.....lb. 6.50 - —
Wormwood, bls.....lb. .50 Nom.

## X

Xylene (see Xylol).
Xylol[4] (xylene), indus., dms. returned., works..gal. .32 - —
tanks, E. of Omaha, frt. allid. to 2c. per gal..gal. .27 - —
West, Minnequa, Col....gal. .27 - —
10°, dms., return, works...gal. .35 - —
tanks, E. of Omaha, frt. allid. to 2c. per gal..gal. .30 - —
Xylol, 5°, dms., return, works..gal. .42 - —
tanks, E. of Omaha, frt. allid. to 2c. per gal..gal. .37 - —
3°, dms., return, works.....gal. .47 - —
tanks, E. of Omaha, frt. allid. to 2c. per gal. .42 - —
Xylol petroleum solvent, ret. dms., No. N. J.....gal. .26 - —
Xylidin, mixed, dms..... lb. .35 - .36

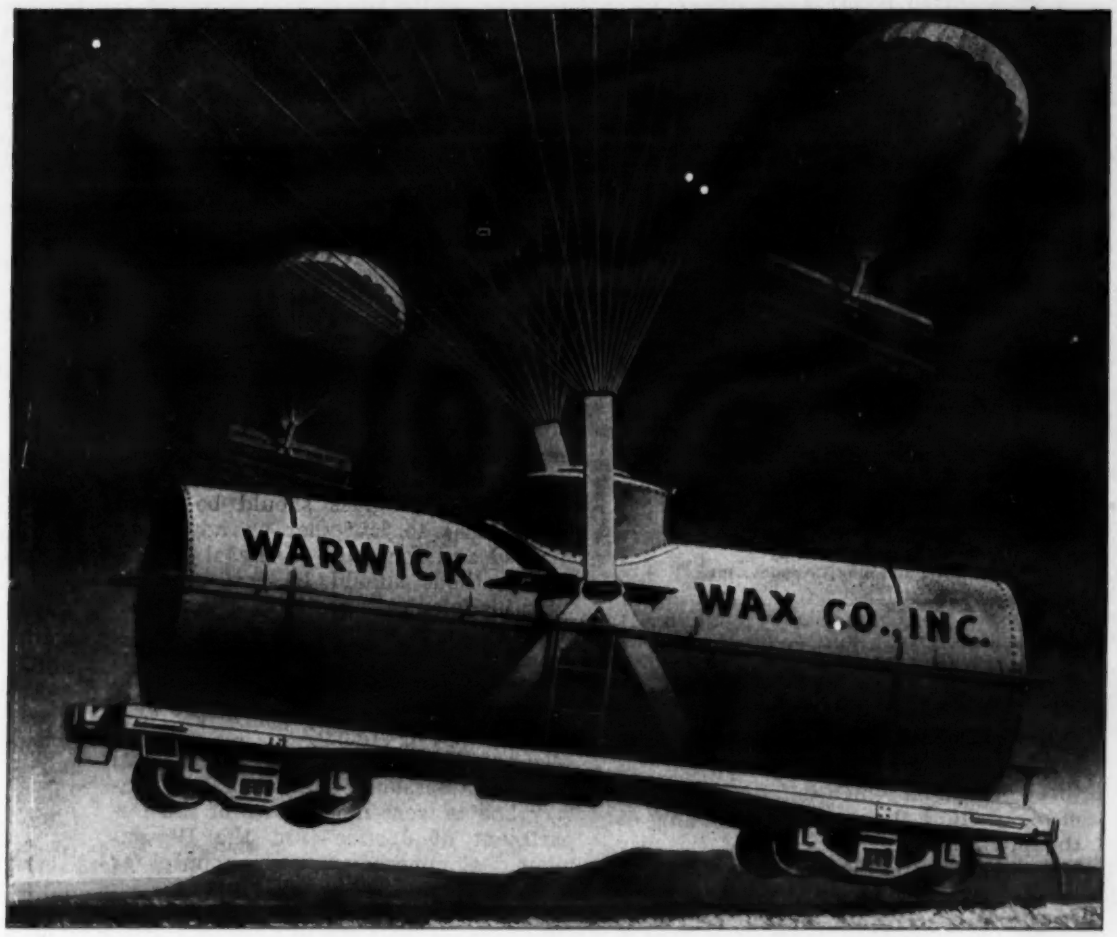
## Y

Yara yara, cryst., bots., cns...lb. 1.75 - 2.20
Yeast, brewer's, dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, benzidin, bbls., divd...lb. 1.35 - 2.25
Cadmium, CP, import, bxs...lb. 1.35 - 1.40
Chrome CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, con. tracts..lb. .16 - —
Chrome yellow prices are ¼c. higher, divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher devid. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Lithopone, bbls., ton, E. of Rockies..lb. .55 - —
packages, same basis....lb. .65 - —
Sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Yellow mercury oxide, bbls., 1,000 lbs..lb. 2.67 - —
smaller lots.....lb. 2.69 - —
Ocher, American, golden, bbls., works..lb. .04½- .06¼
yellow, bbls., works....lb. .02 - .02¼
French type, bbls., c.l....lb. .0345- —
l.c.l.....lb. .0365- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .07 - —
l.c.l., works.....lb. .071 - —
Persian orange (see O).
Zinc,[6] bbls., same basis as chrome..lb. .15 - —
Navy spec. type, bbls., contracts..lb. .15 - —
Yellow dock root, bls.....lb. .38 - .40
Yellow root (xanthoriza), bls..lb. .18 - .20
Yerba santa leaves, bls.....lb. .14 Nom.
Yohimbine hydrochloride, vls..oz. 3.00 - 5.75

## Z

Zein,[6] bgs., 1,000 lbs.. works..lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., divd.lb. .16 - .17
USP, bbls., 250 lbs.....lb. .26 - .27
kgs., 100 lbs.....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. allid. E. of Rockies..lb. .11¾- .13¼
l.c.l., same basis.....lb. .12¾- .13¾
Borate, bgs., c.l.....lb. .12 - —
l.c.l.....lb. .12½- —
Carbonate, tech., bbls.....lb. .14 - .20
USP, precip., powd., bbls..lb. .25 - —
dms.....lb. .40 - —
kgs.....lb. .27 - —
Chloride, tech., fused, c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works.... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
Zinc chloride, USP, dms.....lb. .30 - .31
jars.....lb. .35 - .36
solution, 50%, dms., c.l., works. lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
Chromate (see Yellow, Zinc).
Cyanide, kgs., works.....lb. .33 - .37
Dust,[6] bbls., c.l., divd.....lb. .1035- —
l.c.l., works.....lb. .1125- —
Fluoride, bbls.....lb. .25 - .30
Iodide, NF, bots.....lb. 4.54 - —
jars.....lb. 4.40 - —
Metal,[1,6,8] (quotations in Paint Market report).
Naphthenate, 8%-10% Zn, 50-gal. dms..lb. .16 - .19½
Laurate, bbls.....lb. .32 - .33
Oxide, pigment, dom., acicular,[6] bgs., c.l., divd..lb. .07¼- —
l.c.l., divd.....lb. .07¼- —
lead free,[6] bgs., c.l., divd., lb. .07½- —
l.c.l., divd.....lb. .07½- —
leaded, 5%, bgs., c.l., divd, lb. .07¼- —
l.c.l., divd.....lb. .07¾- —
35% or more, bgs., c.l., divd..lb. .07 - —
l.c.l., divd.....lb. .07¼- —
French process, com'l, lead free,[6] bgs., c.l., divd..lb. .07¼- —
l.c.l., divd.....lb. .07½- —
green seal, bgs., c.l., divd. lb. .09 - —
l.c.l., divd.....lb. .09¼- —
red seal, bgs., c.l., divd..lb. .08½- —
l.c.l., divd.....lb. .08¾- —
white seal, bgs., c.l., divd. lb. .09¼- —
l.c.l., divd.....lb. .09¾- —
USP,[6] 50-lb. ctns., c.l.....lb. .10¼- —
l.c.l.....lb. .10¾- —
Zinc oxide in bbls., ¼c. higher; Pac. dist., c.l., divd., and l.c.l., ex whse., ¼c. higher.

—Continued on page 37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*"And Freedom's banner streaming o'er us"*


# Oil, Paint & Drug Reporter

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## Triumvirate for Health

Before they get so individualized and uncooperative that each is in its own way, as well as in that of the others, the three groups on which is falling the task of maintaining the physical well-being of the public in the new era of postwar ideas—and exotic diseases—should jointly undertake the necessary job of correlation and coordination. Physical well-being—health, if you will—is going to be a big item among all sorts of agenda when the "great minds" of the nation can shake off the stress and strain of war problems. And there are going to be agenda without end.

The three groups of vocation, or science, or art, or whatever such things properly should be called, on which will depend the degree of progress made in health care or betterment of physical well-being are therapeutics, sanitation, and nutrition—the sequence is that of their respective ages; in importance they are coordinate. The services of each of these groups are complemental, not necessarily competitive. Their functions overlap, of course. Their activities can duplicate in various respects. Their leaders should plan better and guide with a firm hand.

It is difficult to escape the conviction that the three health groups should be under the general direction of a single head—not necessarily one individual—if the best results are to be got at the least effort and expense. He will be a brave man—and in no small part a foolhardy one—who attempts to determine what that head should be. The job deserves recognition in the cabinet of the President—and such an eventuality is quite probable.

Health care is a most desirable objective in human endeavor. It is supported even by the selfish truth that it will save more in waste than it will cost in money; and it will increase the volume and the value of manual and mental manpower. It is inevitable, and it is not direful.

In a way, therapeutics, sanitation, and nutrition are all divisions of medicine. Their development has long been in other hands—the drug, chemical, and food industries. It should remain there, insofar as the implements of the three callings are concerned. Medicine's role is the utilization of those implements. The other three have a mutuality of interest which they must not unwisely sacrifice to erroneous ideas of independence—or of subservience.

—O-P-D—

## Administrative Powers

Recent proposals that the powers of the Federal Trade Commission be enlarged fall with a painful impact upon the feelings of those many in business who firmly believe and fervently declare that the commission already has "too damn' much power and no responsibility." The point is well taken. But, nobody has yet been able to contrive an effective method of administrative regulatory functioning that is fundamentally simple and mandatorily fair. Objectionable procedure charged today against the Federal Trade Commission, is laid tomorrow at the door of the Food and Drug Administration, and yesterday was put screamingly in the arms of the Department of Justice.

It is a sorry commentary on many things that Congress should be asked (H.R. 4255) to law that an advertiser charged and convicted of illegal promotive methods should be compelled to wear his felon's stripes forever in public. It is easier to find justification for the proposal by the FTC chief counsel that the commission be empowered to stop circumvention of the Robinson-Patman act by means of discounts.

It might help matters if the Federal Trade Commission and all similar regulatory bodies were made parts of the Department of Justice—and the Department of Commerce was made counsel for business in Federal regulatory law.

—O-P-D—

## Other Things Can Wait

Many arguments are put forward in advocacy of starting postwar reconversion of business now. Almost without exception, these arguments disregard the never adequately regarded fact that the primary task of business is to assist in the winning of the war. The war has not nearly been won. There is a lot of warwork to be done now by business, and this will continue to be true for many months. It may not be a pleasant truth to those who want more civilian production, but what the chairman of the War Production Board had to say a short time ago is the actual truth of today's situation of the nation. He said:—

> In spite of all the talk about reconversion, there is little of it actually in the cards until after Germany has been defeated. The most critical period of the war, from the military standpoint, still lies ahead. It would be a catastrophe if we should mislead ourselves into slackening our efforts just at the time when the best that we have in us is critically needed.

Recent disclosures and transpirations, especially in Britain, indicate that, unless Germany holds out longer than Japan, the WPB chairman's reconversion date is too early. The United States will have a heap of war on its hands until the japs have been whittled down to the size of their home islands and kept there.

In spite of the best intentions of congressional committees, chambers of commerce, and others who would put postwar ahead of wartime in the appraisal of business problems, would put the warworking enterprise behind the eight ball because it stuck to its war job, there is more of freebootery than of honest, free competition in the clamor for unregulated civilian production. One of the big arguments of the syndicalistic group in reconversion and in disposal of surplus government-bought goods advances the sweet-smelling idea that newcomers should be permitted and encouraged to get into civilian production without waiting until those who set aside such work have finished the war jobs which they took on instead. Opportunism knows no brother, no country, no decency. WPB is to be commended for blocking johnnies-come-lately.

It is not reactionary advocacy of *status quo ante* to urge that no preferences be laid against those who have industrially enlisted in the service of their country. It is merely a request for fair play. "Free competition" is a pleasing term. It is, however, seldom fair. And it is most unfairly invoked against enterprises earnestly devoting themselves to the dire needs of the nations. Let all others wait. The David-Uriah method belonged to another age.

—O-P-D—

## There Are Jobs

It is a popular practice with those who want war's demands subordinated to their wishes for bigger civilian business to charge that, unless such business is given a green light, there will be a serious crisis in unemployment. Selfishness is always myopic. For every man or woman not able to find a first-choice place in civilian business, whether ousted from warwork or just looking around, there are a thousand openings in enterprises essential to the war effort. The railroads need tens of thousands; the farms need ten times as many. WMC is campaigning to move 300,000 workers to leave "easy" communities from Maryland and the District of Columbia southward and take jobs in warwork.

While there must be some geographical migration, because of goings from job to job, induced discharges, and other shiftings, it is still possible to find more places than persons for all sorts of work in most localities. Official data on the yearend situation haven't been much affected by subsequent events. These showed that, out of every 1,000 employed workers, there were in a month:—

| | |
|---|---|
| Quitting | 43 |
| Entering armed forces | 5 |
| Discharged | 6 |
| Laid off | 9 |
| Hired | 51 |

The WMC employment stabilization plan for communities has these objectives:—

(a) Elimination of wasteful labor turnover in essential activities.

(b) Reduction of unnecessary labor migration.

(c) Direction of the flow of scarce labor where most needed in the war program.

(d) Maximum utilization of manpower resources.

(e) Establishment of procedures for the orderly transfer of essential workers.

Campaigns directed to those goals are far more essential to the best interests of private enterprise, as well as to the sorely tried national welfare, than any premature releasing of civilian production could be.

# Thiamine Hydrochloride USP (Vitamin $B_1$) and Its Place In Emergency Field Ration D

Soldiers cut off from their units by enemy action fight off hunger, depression and fatigue with U. S. Army Field Ration D, a concentrated food package that looks like a candy bar marked into six squares.

The D Ration consists of four ounces of chocolate, sugar, skim milk powder, cocoa fat, oat flour, vanillin, and 250 International Units of thiamine hydrochloride, the entire ration supplying 600 Calories of energy, as well as one day's requirements of Vitamin $B_1$.

Thiamine Hydrochloride USP is also termed thiamine chloride crystalline Vitamin $B_1$ in the form of a white, crystalline powder. In the human diet, deficiencies of this vitamin affect the emotions and tonus of the nervous system, causing irritability, loss of appetite, susceptibility to fatigue and muscular weakness. A long period of deficiency will lead to beri-beri.

Chas. Pfizer & Co., Inc. has had almost a hundred years of experience with the products of organic chemistry in synthetic and fermentation processes, many of which were originated in Pfizer Laboratories, and are now at work in the service of Industry and the Nation. Chas. Pfizer & Co., Inc., 81 Maiden Lane, New York 7, N.Y., or 444 W. Grand Avenue, Chicago, Illinois.

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PACKAGES—Specially designed to protect contents from moisture and air Corrugated carton with special waterproof liner, and inner paper liner. Five-ply multi-wall bag, including asphalt liner. Special Export packages for regular Export trade, also Army and Navy specification bags.

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*Announcement*

The Ammonia Department of E. I. duPont de Nemours & Company (Inc.), announces the following price schedule on Anhydrous Ammonia and Ammoniacal Liquor in tank cars effective March 13, 1944.

**ANHYDROUS AMMONIA**

Commercial Grade (Minimum 99.5% $NH_3$) . . . $59.00 per ton of 2,000 pounds in Seller's tank cars.

Refrigeration Grade (Minimum 99.95% $NH_3$) $69.00 per ton of 2,000 pounds in Seller's tank cars.

Above prices are f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., Niagara Falls, N. Y., and Wyandotte, Mich.

For the present, and until further notice, freight will also be equalized with Morgantown, W. Va., Military, Kan., Buckeye, Ohio, W. Henderson, Ky., and Eldorado, Ark.

**AMMONIACAL LIQUOR**

*(Minimum 29.4% $NH_3$)*

$65.00 per ton of 2,000 pounds of $NH_3$ in Seller's tank cars, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., Niagara Falls, N. Y., Wyandotte, Mich., Chicago, Ill., and Detroit, Mich.

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AMMONIA DEPARTMENT
WILMINGTON 98, DELAWARE

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**SALT CAKE**

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# Heavy Chemicals

Deliveries of heavy chemicals continued to gain against contract schedules last week. The maintenance of steady output has eased the basic supply situation, but some of the major chemicals did not relax from their tight position formerly brought about by a demand that exceeded the producing level. Anhydrous ammonia supplies have increased sufficiently to permit a reduction in the tankcar price. Labor shortage was the chief obstacle in restraining the general market from adjusting itself to a more normal condition.

Sales in January of 13 wholesalers of industrial chemicals, reporting to the Bureau of the Census, amounted to $810,000. They showed increases of 15 percent over the preceding month and 7 percent over January, 1943. An increase over the year of 1 percent in inventories was reported.

Requirement for reporting the generation or accumulation of more than 5,000 pounds of copper and copper base alloy scrap has been eased to require reporting only more than 50,000 pounds, War Production Board announced. Companies who generate less than 50,000 pounds must continue to comply with copper order M-9 requiring the disposal of all scrap in excess of a 30 days' accumulation unless below 10,000 pounds.

Paper production as a percentage of six-day capacity was 88.7 in the week ended March 4, according to the American Paper & Pulp Association. This compares with 89.2 in the previous week and 89.7 percent a year ago.

Offerings of chemicals listed in some of our market reports are being made by the Regional Redistribution Division of the WPB, Empire State Building, New York City. Sales will be made in accordance with WPB regulations governing excess and idle inventories.

Aluminum Metal Powder.—Regional Redistribution Division of WPB had 1,000 pounds of granulated for sale from excess inventories.

Ammonia, Anhydrous. — Lower prices for tankcars have been established for this material. Commercial grade, minimum 99.5 percent $NH_3$ was offered at $59 per ton and refrigeration grade, minimum 99.95 percent $NH_3$ at $69 per ton, works. Increased supplies resulting from heavy production of commercial and ordnance material were primarily responsible for the decline in prices.

Copper Cyanide.—A lot of 17,000 pounds of powder was obtainable from Regional Redistribution Division of WPB.

Copper Sulphate.—Deliveries have registered a substantial increase so far this month under an accelerated call from the agricultural industry. The movement has reduced the overcrowded stockpile and relieved storage facilities to no small degree. The quarterly allocation was about exhausted while from present indications a much expanded demand is anticipated for April. Some export orders of fair dimensions have been filled for Central America and the West Indies to control fungicide damage in the banana groves.

Magnesia. — Magnesium powder, magnesium dust and similar magnesium materials have been placed under the coverage of magnesium price regulation 314 by the Office of Price Administration. This regulation provides ceiling prices for magnesium and magnesium alloy ingot. Under MPR 314, ceiling prices for magnesium powder, magnesium dust and related items will continue to be the highest prices individual sellers charged during March, 1942. This amendment became effective March 11.

Magnesia Silicofluoride. — Consumers were able to draw from a fairly comfortable supply situation. Current movement was chiefly for use as a floor hardener.

Manganese Sulphate.—No relaxation could be noted from the former tight position. Producers took care of regular customers but were not eager for new business. The fertilizer trade had first call with the feeding industry second.

Nickel Sulphate. — Recent withdrawal of some producing interests combined with an improved demand was responsible for the shifting of this market into a tight position. Although somewhat delayed, consuming demand is being satisfied but producers asserted it will take about two months to restore the market to a normal condition.

Soda Ash.—Industrial demand continued heavy while producers improved their position sufficiently to take care of deliveries more promptly. In some instances a fair backlog of orders remained to be satisfied while in other quarters, demand and supply were well balanced. Meanwhile, the market remained tight with new business restricted by a definite scarcity of offerings.

Soda Caustic.—Market situation remained tight, although first hand shipments to consuming industries were larger. Demand for solid and flaked was active enough to absorb material as rapidly as produced, thereby, preventing any easement in the buying situation.

Zinc Cyanide.—Some excess inventory material amounting to 5,000 pounds was offered by the Regional Redistribution Division of WPB.

Zinc Sulphate.—A block of 16,400 pounds of excess material was obtainable from the Regional Redistribution Division of WPB.

## *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

None

**Comparative Price Indexes**

(100=August 1, 1914)

*General Chemicals*

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 170.6 | 170.6 | 170.6 | 170.2 |

*Acids*

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 116.0 | 116.0 | 116.0 | 116.0 |

## Acids

Chromic.—Moved under WPB regulation and remained tight. Demand continued above production level.

Fluoboric.—Supply situation reported favorable with movement relatively quiet. Moderate buying interest noted for lead plating requirements.

Hydrofluoric.—Anhydrous grade remained under strict allocation with supply situation showing tendency to tighten under heavy demand for high octane gasoline. Firm position of this grade reflected in the market for all other varieties. Essential industries received first call for shipments.

Hydrofluosilicic. — Moderate buying was about the best that could be reported. Attention mostly confined to small lots representing actual requirements. Supply fully sufficient to meet demand.

Oxalic.—Sold ahead condition of output was reflected in a shortage of additional offerings. Some car lot inquiries were in the market, but the relatively tight position had a restricting influence on the actual placing of new business.

Sulphuric. — Maintenance of peak production was reflected in a gradual easing of the supply situation. The effect was more apparent in the Middlewest than on the Eastern seaboard but the position of the general market showed definite improvement compared with a few months ago.

## Insecticides

Buying interest continued to show seasonal expansion in most directions. While some gain was reported in the movement of calcium arsenate, there was room for improvement. It was expected that the Department of Agriculture's request to buy and store this material for future use will eventually stimulate shipments to Southern areas. The supply situation remained favorable with prompt deliveries available.

Lead arsenate production was reported satisfactory regardless of the manpower problem and the relatively poor quality of crude arsenic. At

*For current prices see alphabetical listing beginning on page 9.*


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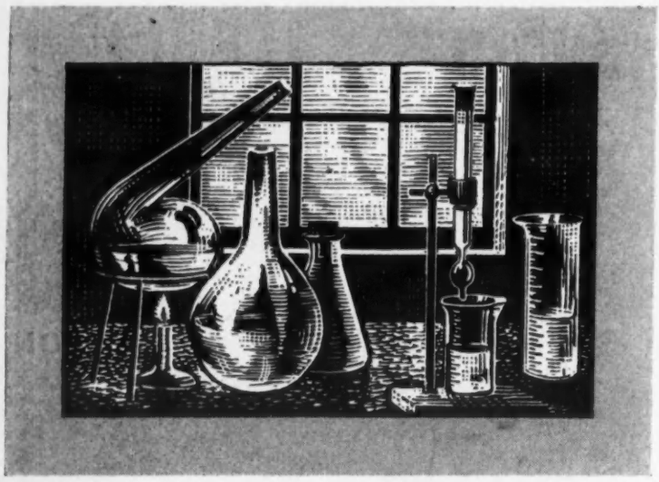

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present, the supply outlook seemed favorable enough to meet any demand that might materialize. Although restrictions by government agencies on lead arsenate use for golf courses, lawns and shade trees have been withdrawn, it was intimated that orders for food and fiber crops will be filled first.

Cryolite supplies appeared adequate for extensive use as an insecticide either alone or with sulphur mixtures. Nicotine sulphate supply was reported comfortable unless government requirements exceed general expectations. Paradichlorobenzene remained tight with supply possibly sufficient to meet insecticide requirements.

Considerable business has been placed in copper sulphate for export to Central America. The banana growers of that country use copper sulphate as a fungicide to combat the disease known sigatoka. This disease does considerable damage unless kept under control.

## Celanese Chemical Corporation Formed

Celanese Chemical Corporation has been formed as a division of the Celanese Corporation of America, this city, to handle the sale of chemicals manufactured at the several Celanese plants. Among the chemicals now being produced, as well as those expected to be produced by Celanese, are:—

Butadiene, pentaerythritol, hexamine, formaldehyde, methanol, tricresyl phosphate, triethyl phosphate, triphenyl phosphate, triethyl citrate, tributyl citrate, diethyl phthalate, dyestuffs for cellulose acetate and muriatic acid.

The Celanese Corporation recently started construction of a new $5,000,000 chemical plant at Bishop, Tex.

## N.Y. Chemists Institute To Meet March 17

The New York Chapter of the American Institute of Chemists will meet at 2 Park avenue, March 17. Speakers will be Harold A. Swanson, manager of the patent department of the National Oil Products Company, Harrison, N. J., who will discuss "Patents and the Chemist," and Ralph L. Ericcson, of the Commercial Solvents Corporation, who will discuss "The Nitroparaffins."

## Fisher Chemical Formed

Fisher Chemical Company has been formed to act as manufacturers' agent for pharmaceuticals, fine and industrial chemicals. The company with executive offices at 60 East 42nd street, this city, is headed by J. Robert Fisher, who resigned recently as manager of the Millmaster Chemical Company.

J. Robert Fisher

Mr. Fisher, who has been identified with the sale of chemicals for fifteen years, matriculated at St. Johns University and Brooklyn Polytechnic Institute.

He was for eleven years associated with the organic sales department of National Aniline Division of the Allied Chemical & Dye Corporation, resigning in 1940 to join Millmaster Chemical Company. Mr. Fisher is chairman of the entertainment committee of the Salesmen's Association of the American Chemical Industry.

## *Service Engineering Formed by Bishop*

*—Continued from page 3*

New York. Mr. Bishop was formerly president of John C. Wiarda & Co,, Brooklyn, which import and jobbing business in miscellaneous chemicals has since been absorbed by American Cyanamid Corporation.

The manufacture of hydrofluoric acid formerly conducted by the Wiarda company was continued by Mr. Bishop in the name of Sterling Products Company, Easton, Pa.; this business was later merged with the Pennsylvania Salt Manufacturing Company.

Recently Mr. Bishop has interested himself in a number of individual enterprises. Service Engineering Company will be a means of consolidating some of these activities under one management.

Charles H. Welling, of Charles H. Welling & Co. is associated with Mr. Bishop as general manager of Service Engineering Company. Mr. Welling, formerly engaged in industrial work with the banking house of G. M. P. Murphy & Co.. this city, and later president of Arthur D. Little Industrial Corporation, a subsidiary of Arthur D. Little, Inc., of Cambridge, Mass.

The new enterprise has already undertaken the development of two processes—one controlled by Electrolytic Recovery Corporation for the recovery of industrial wastes and disposal of industrial and municipal sewage, and the other a spray drying process controlled by Instant Drying Corporation, which has already made substantial progress in chemical and food fields.

## Costa Rica Business Ownership Restricted

The right to start a new commercial enterprise, agency or representation in Costa Rica has been reserved to citizens, according to the Department of Commerce. Foreigners and companies and corporations owned by non-citizens transacting business in the Republic prior to January 1, 1944, may continue.

Renewal of commercial licenses of foreign individuals or corporations must be approved by the government.

**Paint up campaign** will be held in Memphis. Tenn., from April 16 to 29.

# Current Market Quotations

*—Continued from page 31*

| | | |
|---|---|---|
| Zinc resinate, 8.7% Zn, 100-lb. dms. | lb. | .14½- — |
| fused, pale, bbls. | lb. | .11 - .12 |
| precipitated, dms., dlvd. | lb. | .15 - — |
| Silicofluoride, bbls. | lb. | .15 - .16 |
| Stearate, tech., ctns., c.l., frt. equald. | lb. | .29 - — |
| ton lots, frt. equald. | lb. | .30 - — |
| ctns., smaller lots, frt. equald. | lb. | .31 - — |
| USP (same prices as tech.). | | |
| Sulphate, cryst., bgs., c.l. | 100 lbs. | 3.60 - — |
| l.c.l. | 100 lbs. | 4.35 - — |
| flake, bgs., c.l. | 100 lbs. | 4.10 - — |
| l.c.l. | 100 lbs. | 4.85 - — |
| powd., bgs., c.l. | 100 lbs. | 5.30 - — |
| l.c.l. | 100 lbs. | 6.55 - — |
| Zinc sulphate in bbls., 25c. higher. | | |
| Sulphide,[1,5] pure, bgs., c.l., dlvd. | lb. | .06¼- — |
| l.c.l., dlvd. | lb. | .06½- — |
| bbls., c.l., dlvd. | lb. | .06½- — |
| l.c.l., dlvd. | lb. | .06¾- — |
| barium pigment, bgs., c.l., dlvd. | lb. | .0560- — |
| l.c.l., dlvd. | lb. | .0585- — |
| calcium pigment, bgs., c.l., dlvd. | lb. | .0560- — |
| l.c.l., dlvd. | lb. | .0585- — |
| fluorescent, pigment, works, frt. alld. | lb. | .90 - 1.00 |
| magnesium pigment, bgs., c.l., dlvd. | lb. | .05¾- — |
| l.c.l., dlvd. | lb. | .06 - — |
| Zinc sulphide on Pac. cst. ¼c. higher for pure, ½c. for others. | | |
| Sulphocarbolate, NF, bbls., dms. | lb. | .26 - .31 |
| Tallate, 5% Zn, 50-gal. dms. | lb. | .09¾- — |
| Yellow (see Yellow, zinc). | | |
| Zinc-ammonia chloride, dms., c.l., works. | 100 lbs. | 5.65 - — |
| l.c.l., works. | 100 lbs. | 6.70 - — |
| Zinc-cadmium sulphide, fluorescent, works, frt. alld. | lb. | 2.00 - 2.35 |
| Zinc-iron oxide pigment, bgs., c.l., dlvd. | lb. | .06 - — |
| l.c.l., dlvd. E. of Rockies. | lb. | .06¼- — |
| dlvd., Pac. cst. | lb. | .06½- — |
| ex whse., Pac. cst. | lb. | .07 - — |
| Zirconium hydride, cns., works. | lb. | 7.00 - 8.00 |
| Nitrate, kgs., works. | lb. | 3.00 - 4.00 |
| Oxide, crude, 70-75%, grd., bbls., works. | ton. | 75.00 -100.00 |
| white, 98%, grd., kgs., works. | lb. | 1.80 - 2.00 |

## *Synthetic Resins*

The customary monthly listing of prices for synthetic resins and other branded paint materials will appear next in the April 3 issue of OPD.


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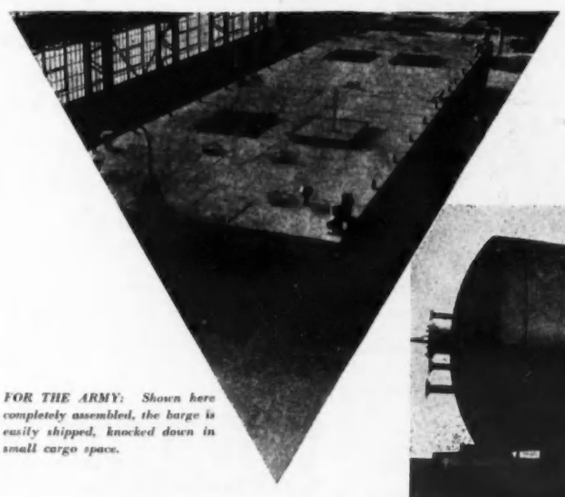
This huge steel barge is transported in sections to a battle area, where it can be assembled and set afloat quickly and easily. Pre-fabricated in the GATX plant at Sharon, it is another example of our widely diverse, often unprecedented, production accomplishments during this war.

Along with this and many other types of war equipment, we are building the GATX know-how—the broadened experience, the improved methods that will mean postwar economies for you.



*FOR THE ARMY: Shown here completely assembled, the barge is easily shipped, knocked down in small cargo space.*

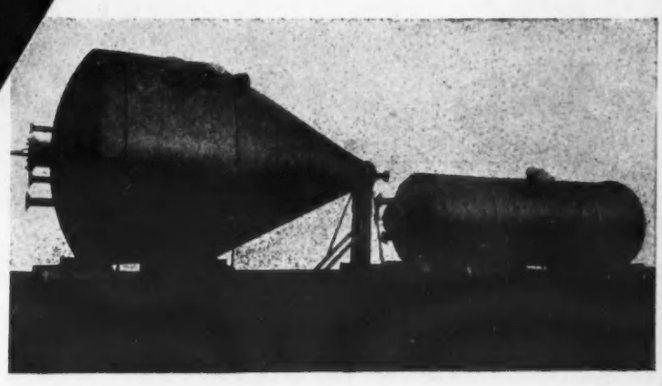


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Plate & Welding Division Sharon, Pennsylvania

"Specialists in plate fabrication—manufacturers of pressure vessels of steel alloys and aluminum—all classes of welding—process equipment of all types—chemical engineering laboratories and service—completely equipped field erection department."

## Containerboard Control Tightened by WPB

The critical shortage of containerboard has made it necessary for the War Production Board to assume complete control over the distribution of all containerboard after April 1, 1944, the War Production Board has announced. To accomplish this, an amendment to Conservation Order M-290 has been issued.

The amended order makes it necessary for all users of containerboard to obtain authorization from WPB as a condition precedent to accepting delivery of this material. These authorizations will be issued on a quarterly basis, disturbing the normal flow of containerboard as little as possible. At the same time it will be channeled to most essential uses as represented by rating patterns reported to WPB by converters.

An exemption for small users of 2½ tons per quarter is provided. The order also provides that WPB may direct mills to produce specified types and grades of board and to ship it to specified persons, thus assuring that requirements for such specialized items as V-boxes will be met. To supplement this power, WPB is authorized to direct the manner in which converters must use their containerboard supplies.

The order bars the use of ratings to get containerboard, since it was felt that the allocation system, represented by the proposed amendment, provides an adequate substitute for ratings and that their extension to the mills would be disruptive.

## Milk Sugar Replaced In NF Preparations

*OPD Washington Bureau*

Because of a feeling that the consumption of milk sugar in the production of penicillin will result in a shortage of the sugar, the committee on National Formulary of the American Pharmaceutical Association, with the approval of the council of the association, has authorized the replacement of lactose (milk sugar) with sucrose (ordinary sugar) containing a maximum of 3.25 percent of starch in all NF preparations in which the former is an ingredient. The preparations affected are powder of ipecac and opium, rennin, saccharated ferrous carbonate, and saccharated pepsin.

Authorization of the replacement is published by Dr. Justin L. Powers, chairman of the NF committee, in the fourth supplement to the currently effective compendium. Confectioner's powdered sugar meeting Federal specification JJJ-S-791A is considered to comply with the requirements.

### Bisbee Advanced

Arthur L. Bisbee, jr., has been named assistant treasurer of the Bisbee Linseed Company, Philadelphia, Pa., crushers and refiners of linseed and other vegetable oils.

### Drug Wholesalers Retail Sales Ban in Ky. Asked

A bill introduced in the Kentucky Legislature by House Representatives Sylvester J. Wagner, Covington, and Jerry F. Howell, Gearheart, both Democrats, would prohibit manufacturers and wholesalers of drugs and foods from selling at retail at their plants. The bill declared that extension of operations by manufacturers and wholesalers of foods and drugs into the retail field had resulted in destructive monopolies that hamper individual effort or enterprise as guaranteed under the State constitution and that of the United States. The bill would require licenses and these good at but one location as specified. Retailers would pay $1 a year license, wholesalers $25; or a manufacturer $100.

### Chain Stores Ass'n to Meet

National Association of Chain Drug Stores will hold a convention in French Lick, Ind., June 4, 5 and 6.


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We also supply Technical Sodium Diacetate, 33-35% available acidity as Acetic Acid, and Anhydrous Sodium Diacetate, 39-41% available acidity
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*Now Available at*
$32. PER TON BULK BASIS
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PAPER BAGS, $4.00 Per Ton Over Bulk
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*Lump, Granular, Powdered*
Subject to allocation by War Production Board.
Prices subject to change without notice
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"A VERSATILE CHEMICAL"
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CYLINDERS TANK CARS
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# Textile and Leather Chemicals

The overall demand for textile processing agents continued active during the week. War contracts are declared to be supporting the larger part of such movement, although a further trend toward civilian fabrics was noted. Quebracho was the outstanding item in the leather chemical category. Recent arrivals of the material are declared to be heavier, with the tanning industry stock-piling the material, in view of the Argentine political gyrations. Pricewise the market maintained a firm tone.

Production of wool, both shorn and pulled, in the United States in 1943 totaled 447,978,000 pounds, the Department of Agriculture reported March 3. Of the total 384,378,000 pounds were shorn wool and the remainder pulled wool. Production of the shorn material was about two percent below the record production of 1942, and production of the pulled wool 5 percent below 1942. Commercial stocks of apparel and carpet wool is reported to have amounted to 289,058,000 pounds, scoured basis, on January 1, 1944.

The War Food Administration premium and discount rates on American upland cotton under the 1944 loan program will continue to be determined as 90 percent of the parity price of cotton at the beginning of the marketing year, August 1, 1944, it was announced March 3. A new list of prices to be paid for hides by United States and United Kingdom effective March 6 was also mailed to importers and tanners March 3 by the Foreign Economic Administration.

## Chemicals

Acetic Acid.—Supply position has gradually improved, enabling most producers to fill orders promptly. Call from textile field good. Quotations steady.

Enzymes.—Demand reported to have picked up somewhat, as trend in textile manufacture went toward additional civilian goods production. Market steady.

Pine Oil.—Market continues firm as supplies tighten. Reports from official sources indicate a gradually increasing shortage of pine oil, rosin and other naval stores as year progresses.

Soda Hydrosulphite.—Continues in comparatively tight supply. Schedule of prices unchanged.

Sulphonated Oils.—Supply of sulphonated castor oil remains easy. Sulphonated oils based on edible products remain slow, restricted by point-rationing system.

Wetting Agents.—Higher sulphated alcohols and similar proprietary compounds remain in tight supply on heavy demand from armed forces. Market firm.

## Dyestuffs

Archil. — Prewar stocks exhausted. No indication as to when material will again be available.

Annatto.—Demand continues to be restricted by WPB limitation order. Stocks sufficient to cover current orders. Prices steady.

Logwood.—Regular consumers taking material satisfactorily, maintaining steady market tone.

## Sizing Materials

Albumen, Blood. — Movement continues active, with suppliers in position to fill normal orders without delay. Prices steady.

Albumen, Egg. — Supply condition reported to be easing gradually. Schedule of quotations steady, at ceilings established by OPA under date of March 4 (not March 1 as stated in previous issue). Under amended maximum price regulation, dried flake albumen price will be $1.80 per pound through June. In July and succeeding months price will advance 2c. at beginning of each month through January, 1944. On February 1, 1944, price will recede to $1.87 per pound, car lot quantities. Crystalline and powdered material will be 5c. above that of granular product.

Dextrin, Corn. — Heavy demand keeping deliveries by producers from three to five weeks late. Market tone firm.

Egg Yolk.—In the maximum price regulation amended March 4 (not March 1 as stated in previous issue) by OPA, a flat price of $1.05 per pound, in car lot quantities, at the basing point cities of New York and Seattle, is set for dried yolks for the months of March through June. Thereafter a 2c. per pound increase will be made each month through January, 1944. During February, 1945, the price is again reduced to $1.12 per pound.

In a report on egg drying operations during February, the Department of Agriculture reported activity at 80 percent of capacity, with government deliveries calling for 26,900,000 pounds in the period. Purchases during February for March delivery totaled 16,400,000 pounds.

Starch, Corn. — Demand for starch and other corn products is keeping producers books well filled. Deliveries of regular varieties of starch are delayed about two weeks, thin boiling varieties somewhat longer. Quotations are firm at recently revised ceiling levels. Millers are again beginning to express concern over the comparatively small reserve of corn in their storage bins. The opinion is advanced that plenty of corn is on hand in the country, but is being held on the farms.

According to figures compiled by the Chicago Board of Trade, the visible supply of corn in the United States decreased some 1,281,000 bushels during the week ending March 4. The Commodity Credit Corporation reports that through February 29 it had completed 5,285 loans on 5,965,535 bushels of 1943 corn in the amount of $5,028,282.65. On February 28, 1943, 41,463 loans had been completed on 48,864,200 bushels.

Starch, Potato. — Supplies continue ample for current orders. Demand holding good volume. Prices firm.

Starch, Sweetpotato. — Supplies in dealers hands either exhausted or very small. Until a program of flat pricing of the 1944 crop of sweetpotatoes can be worked out, maximum prices for all sellers will remain at the levels at which they were frozen in December, 1943, the OPA reported March 3.

Zein. — Gradual expansion in production over past year has eased supply position to point where February requests of material under WPB allocation system were granted in full. Quotations unchanged.

## Tanning Materials

Chestnut Extract. — Supplies continue tight. Under complete allocation by WPB. Prices firm at ceiling levels.

Hemlock Extract. — Resumption of production of this material not as yet reported. Opinion expressed that under present conditions material would have to be gathered on West Coast and a plant put up in that area for making the extract and the product then shipped eastward to tanners.

Quebracho. — Increase in freight space allotments is boosting importations of quebracho. Tanners are stocking material to avoid possibility of supplies squeeze in case relations with Argentina grow worse. Some concern is also expressed over the current price situation of clarified quebracho extract, quotation of which was recently advanced by South American producers. OPA has not as yet granted an adjustment for sales in this country. Sales are being made to Mexican and other export consumers, taking into account the Argentine increase. Continuance of such drains from American stocks, and stoppage of imports could lead to shortage in this market, it is pointed out.

### *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

None

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 263.2 | 263.2 | 267.4 | 260.6 |

*For current prices see alphabetical listing beginning on page 9.*

OPD—3-13-1944 39

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# Coaltar Chemicals

Heavy demand for coke by-products and coaltar derivatives continues to hold the majority of such materials in tight supply. The firm price structure of the market is unchanged. Benzol is still among the products that are outstandingly tight. In comparison with former years, when exportation of benzol was the practice, importation of the item is now reported.

Considerable interest is also being given to the future supply position of phthalic anhydride. Official reports indicate current capacity production is insufficient to meet anticipated demand, with the probability that manufacturing facilities will have to be further expanded. Recently developed military insect repellent manufacture is said to be an important factor in the increased phthalate requirements.

Offerings of several coaltar products listed in the market reports are being made by the Regional Redistribution Division of the War Production Board, Empire State building, New York City. Sales will be made in accordance with regulations governing excess and idle inventories.

Activity in the steel industry during the week beginning March 6 was reported to have been at 98.8 percent of ingot capacity, according to the American Iron and Steel Institute. Such percentage is equivalent to a production of 1,769,800 net tons of ingots and castings, the highest since the record tonnage in the week of October 11, 1943. In comparison, operations in the previous week were at 97.5 percent; one month earlier at 97.2 percent; and one year earlier at 99.1 percent of capacity.

## Basic Products

Benzol.—Supplies continue very tight as large portion of output continues to move into production of high-octane gasoline, synthetic rubber and essential chemicals. The war demand has precluded export of benzol for some time past. In fact, importation of the material has been necessitated. It is reported that recent imports of benzol approximated 9,400 tons. The schedule of prices remains firm.

Coaltar.—Quotations held firmly at ceilings by sustained movement to refining and processing plants. The weekly production data previously appearing in these paragraphs is now presented on page 4.

Creosote Oil.—Easy supply condition continues. Demand for wood preserving has shown no betterment, labor shortage still restricting the quantity of logs available for processing.

Cresols.—Supplies of domestic coaltar material remain tight, with synthetic resin production principally responsible for demand. Material derived from petroleum somewhat easier, although still under complete allocation. Comfortable stock-position of imported cresolic acid unchanged. Recent importations of the latter material are reported to have totaled 2,450 drums. Prices of all types remain steady.

Naphthalene.—Capacity phthalic anhydride production continues to hold both crude and refined naphthalenes in tight supply. It has been indicated that the need for phthalates, particularly for the manufacture of an insect repellent component for the armed forces. Plasticizer call for synthetic rubber and resins is also much larger than formerly.

Phenol.—Continues in rather easy supply. Recent revelations by the Bureau of Mines show that the output of sodium phenolate from by-product coke sources increased 232 percent and totaled 11,115,407 gallons in 1942, compared with 3,350,781 gallons in 1941. The quantity of phenolate solution sold in 1942 was stated to have totaled 4,258,481 gallons, or 28 percent over the quantity sold in 1941; the value of sales increased 27 percent and totaled $249,465.

Pyridine.—Demand for manufacture of medicinals continues heavy. The marked increase in pyridine output was shown recently in figures released by the Bureau of Mines. In 1942 the output of pyridine was declared to have been 529,564 gallons, an increase of 91 percent over the output in 1941. Sales increased from 280,036 gallons in 1941 to 485,552 gallons in 1942. The value of the pyridine sold increased 122 percent and amounted to $634,358.

Toluol.—Active movement of output into munition and high-octane gasolines unabated. Civilian supply situation shows no change. Shortage of drums and tankcars continues a disconcerting problem. Schedule of quotations shows no change.

Xylol.—Supplies remain short as heavy demand for essential manufacture continues. Price structure holds firm.

Chicago, March 10.—Tightness is persisting in the market for benzol, a condition which is duplicated in the situation of numerous other coaltar base materials. War requirements are proving extensive, and takings are heavy. Ruling prices exclusive of tax are:—Benzol, pure, freight allowed up to 2c. per gallon, 15c. per gallon; xylol, industrial, same basis, 27c.; xylol, 10-degree, same basis, 30c.; toluol, 2-degree, same basis, 28c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15c.

## Hydrogenated Solvents

Cyclohexanol. — Demand continues good, although having slowed somewhat in past month. Quotations unchanged.

Cyclohexanone. — Supplies remain tight, as large portion of production moves into direct war application. Market tone steady.

Methylcyclohexane. — Schedule of prices continues steady on sustained demand.

## Coaltar Acids

Anthranilic.—Supplies rather tight. Call for essential manufacture continues active. Market steady.

Benzoic, Technical.—Supply position shows little change. Demand heavy. Quotations steady.

Cleve's.—Inquiry from regular consumers holding market tone steady.

Malic.—Tight supply condition unabated. Labor and equipment retarding output. Prices unchanged.

Picric.—War demand keeping supplies tight. Quotations show no change.

Tobias. — Representative demand continues satisfactory. Steady market maintained.

## Other Intermediates

Acetanilide, Technical. — Call for production of medicinals and other necessary products continues heavy. Prices unchanged.

Anilin.—Demand for war production uses holding civilian supplies tight. Schedule of quotations shows no change.

Benzaldehyde, Technical. — Direct application in essential material continues to hold supplies in tight position. Market tone firm.

Metaxylene.—The WPB Regional Redistribution Division has offered for sale from excess inventories 27,940 gallons of metaxylene.

Nitrobenzene. — Demand continues active. Essential need for benzol holding basic material supplies low. Stable quotations maintained.

Orthocresol. — War production requirements keeping supplies of domestic material short. Reported that recent importation into this country amounted to approximately 90 drums. Market firm.

Paradichlorobenzene.—Demand continues far ahead of production. Little optimism expressed for future supply position, since manufacture is based on availability of benzol. Structure of prices firm.

Phthalic Anhydride. — Recently developed military demand reported as necessitating further expansion of phthalic anhydride production by between 12,000,000 and 15,000,000 pounds.

## *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

None

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year |
|---|---|---|---|
| 129.2 | 129.2 | 129.2 | 129.2 |

*For current prices see alphabetical listing beginning on page 9.*

One new use, in the manufacture of an insect repellent for the armed forces, is expected to consume in the neighborhood of 24,000,000 pounds annually. It is also indicated that the allocation of phthalic esters now approximates 4,900,000 pounds as against a February allocation of 4,725,000. Allocations for dye intermediate production will be reduced, the projected allocation being fixed at 930,000 pounds per month for April through December. Alkyd resin manufacture is slated to receive 300,000 pounds additional phthalic for April and in remaining 1944 months.

## Coaltar Colors

A slight increase in demand for civilian textile colors, particularly from the wool field, is reported to be taking place. Demand from the leather field continues as in the previous week. Call for coaltar colors and pigments from the paper industry remains sluggish. The WPB Regional Redistribution Division has offered for sale from excess inventories 324 pounds of red dye R98.

## *Dow Denies Link With German Cartel*

*—Continued from page 7*

only 46 percent. The government has an investment of 80 cents for every pound of magnesium produced in 1943 by the Dow group. The government has an investment of $1.67 for every pound of magnesium produced in 1943 by the others. The government received 1.2 pounds of magnesium in 1943 for every dollar invested with the Dow group. The government received only half as much (0.6 pound) in 1943 for every dollar invested with the others.

The Dow Company started to make magnesium in 1915 when the German supply was shut off. They built up purely on knowledge accumulated in their laboratories and through the hard blows of actual experience. They did not have the funds for great research. But they had courage and they had leadership.

The first magnesium plant Dow built would not work and had to be abandoned. The second plant burned down. All the other manufacturers of magnesium dropped out because they could not make it pay and Dow was presented with a monopoly. But it was an expensive monopoly and Dow lost money in all but four out of twenty-one years. Dow, in effect, was presented with a monopoly by default. Dow had the same kind of monopoly in producing magnesium as Henry Ford had during the early days of producing "Model T"—the monopoly which comes as, of course, when anyone makes a thing better and cheaper than anyone else.

Now we come to another matter out of which has been created the serious charge that Dow was a member of an international cartel and that its production and prices were ruled by the I. G. It is an infamous charge. It is alleged, but I have no personal knowledge that it is a fact, that the I. G. and Alcoa entered into an agreement by which an American company known as the Magnesium Development Corporation was formed. To this company the I. G. transferred its production and fabrication patents. A production patent has to do with the making of magnesium metal, a fabrication patent has to do with alloying and working the metal after it is made. None of us in our company ever heard of this contract between I. G. and Alcoa known as the Alig contract until we were charged in an antitrust criminal action with having agreed to limit our production to 4,000 tons a year. It then appeared that the I. G. had transferred its production patents to M. D. C. on the stipulation that, if they were used, American production would not exceed 4,000 tons a year. In fact, these production patents never were used by M. D. C. and so the limitation never came into effect. They were never used in this country until Basic Magnesium took them up for a Defense Plant Corporation contract. But, regardless of that, Dow was not a party to the Alig contract and knew nothing of it and the limitation did not apply at all to the I. G. fabrication patents which are the only ones in which Dow was ever licensed. The charge, you see, is utterly baseless.

Dr. Dow presented figures showing that his company had brought the price of magnesium down from $5 a pound in 1915 to 21 cents a pound in 1939 and that at Freeport, Texas, they had not only established a plant for extracting magnesium from sea water, for the first time in the world, but had also established a well-rounded chemical industry to serve the South. "In short, gentlemen," concluded Dr. Dow, "we believe that the Dow record in magnesium is one of the highest public service. We ask you to affirm or negate that belief."

## *Corporation Earnings*

**American Maize Products Company**

| | 1943 | 1942 |
|---|---|---|
| Year Dec. 31 | $585,307 | $671,013 |
| Per share | 1.95 | 2.28 |

**Chickasha Cotton Oil Company**

| | | |
|---|---|---|
| 6 months, Dec. 31 | 174,014 | 401,067 |
| Per share | .68 | 1.57 |

**Coca-Cola Company**

| | | |
|---|---|---|
| Year, Dec. 31 | 25,526,222 | 23,267,446 |
| Per share | 5.93 | 5.37 |

**E. I. duPont de Nemours & Co.**

| | | |
|---|---|---|
| Year Dec. 31 | 69,706,819 | 63,941,275 |
| Per share | 5.59 | 5.07 |

**Monsanto Chemical Company**

| | | |
|---|---|---|
| Year, Dec. 31 | 5,315,769 | 5,515,836 |
| Per share | 3.56 | 3.73 |

**National Gypsum Company**

| | | |
|---|---|---|
| Year, Dec. 31 | 973,014 | 1,048,059 |
| Per share | .50 | .56 |

**Pratt & Lambert, Inc.**

| | | |
|---|---|---|
| Year, Dec. 31 | 413,027 | 428,640 |
| Per share | 2.11 | 2.21 |

**Vick Chemical Company**

| | | |
|---|---|---|
| 6 months, Dec. 31 | 1,867,795 | 1,699,126 |
| Per share | 2.75 | 2.48 |

**Victor Chemical Works**

| | | |
|---|---|---|
| Year, Dec. 31 | 1,147,605 | 1,000,870 |
| Per share | 1.53 | 1.34 |

## American Viscose to Operate DPC Lewistown Plant

American Viscose Corporation, Wilmington, Del., has entered into contracts with the Defense Plant Corporation, to provide equipment at a plant in Lewistown, Pa., at a cost of approximately $4,000,000; equipment at a plant in Marcus Hook, Pa., at a cost of approximately $750,000 and equipment at a plant in Parkersburg, W. Va., at a cost of approximately $2,250,000. American Viscose Corporation will operate these facilities, title remaining in Defense Plant Corporation.

## Textile Chemists to Meet

The American Association of Textile Chemists and Colorists will hold its annual convention at the Claridge Hotel, Atlantic City, October 12 to 14. The arrangements are under the supervision of the Philadelphia Section of the association, the chairman of which is Boyce C. Bond of the General Dyestuff Corporation.

## *Obituaries*

*—Continued from page 4*

became chairman of the board. He retired in 1932. Surviving are his wife and two daughters.

### Frank E. Davis

Frank E. Davis, director of purchases for the Sherwin Williams Company, paint and varnish manufacturer, Cleveland, died March 4. He was sixty-eight years of age.

Mr. Davis started with the company in 1902 in the advertising shipping department. He then became superintendent of the bindery and assistant to the advertising manager until 1905, when he became executive assistant. In 1906, he was made secretary to Walter H. Cottingham, then president of the company, a position he held until 1915, when he became manager of the general retail sales department. He subsequently became director of purchases.

Surviving are his wife, a son, two brothers and two sisters.

**George S. Bacon,** retired general superintendent of the Millville, N. J., glassworks of the Armstrong Cork Corporation, died March 9.

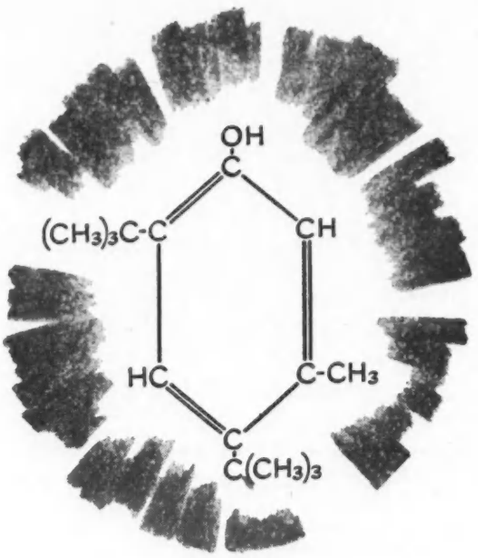
**Charles F. Brown,** founder of the Southern Molasses Company, this city, died March 7 in Winter Park, Fla. He was eighty-seven years of age.

**H. J. Esselborn,** assistant general manager of the marine department of the Standard Oil Company of New Jersey, with offices in this city, died in Tampa, Fla., March 8. He was fifty-three years of age.

**Duard L. Gilland,** general manager for Alabama of the Wofford Oil Division of the Pure Oil Company, died March 3 in Birmingham, Ala. He was sixty-four years of age.

**Thomas Grant,** former manager of the sales department and onetime general manager of the Glidden Company, paint and paint materials house, of Cleveland, O., died March 9 in the Alexian Brothers Hospital in Elizabeth, N. J., after a long illness. He was 72 years of age.


KOPPERS D. B. M.




4, 6-Di-tertiary-BUTYL-m-CRESOL

**Properties:** (*Pure Compound*)

| | |
|---|---|
| Molecular Weight | 220 |
| Melting Point | 62.5°C. |
| Boiling Point: | |
| At 90 mm. (approximate) | 171°C. |
| Atmospheric (approximate) | 285°C. |
| Specific Gravity at 50/50°F | 0.920 |

State: Light-colored semi-solid, crystalline, mild odor.

Solubility: Practically insoluble in water. Easily soluble in alcohol, benzene, gasoline and carbon tetrachloride. Insoluble in caustic alkali solutions.

**Uses:** In compounding certain types of synthetic rubber, as a softener and plasticizing agent, and to improve tack. In the manufacture of resins, particularly because of its oil-solubility. It has been suggested for use as an anti-skinning agent for paints and varnishes.

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# Protective Coatings Materials

Both army and navy procurement agencies are manifesting an increasing inclination to switch emphasis on their buying operations from one set of protective coating materials to another, as military and lend-lease requirements diminish in some directions, only to be intensified in others. But, as yet, there have been no notable cutbacks in the munitions production program of sufficient magnitude to cause a pronounced curtailment in the awarding of war contracts in paint and varnish ingredients and the aggregate of gross business flowing from these accounts continues to be maintained on the high plane reached during the greater part of last year, when it constituted 70 to 75 percent of that banner twelvemonths' gross intake.

Nevertheless, it is now universally recognized that it will be necessary for the industry to prepare as much as possible and as soon as possible for the inevitable tapering off of war orders in raw and processed paint and varnish materials as well as in finished products with a buildup of nonmilitary net income to proportions nearly equalling that still derived from war contracts, if it would avoid sustaining a decline in its 1944 net earnings to levels greatly below those of 1943. While it presumably will not be needful in reaching this objective to double the gross revenue obtained from civilian orders, inasmuch as the profit margins procurable on civilian account business are not held down to the relatively small size characterizing war contracts, it will nevertheless be demanded of the trade that it amplify this civilian business hugely.

Sales in January of fifty-four wholesalers of paints and varnishes, reporting to the Bureau of Census, are shown to have aggregated $2,965,000. This total has registered an increase of 7 percent over that for the preceding month and of 3 percent over that for January, 1943. Inventories at the close of last month have exhibited a decline of 7 percent below those recorded at the end of the first month of this year.

## Metallic Lead and Zinc

With no indication to date that metallic lead has suffered any impairment of its standing as virtually the only base metal in sufficient supply to meet all foreseeable war and civilian needs, the pig lead market continues to offer ready facilities for corroders and other lead pigment makers to procure all they require in this basic material. Quotations for pig lead have remained unchanged for the week March 3-10 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Although there is still a plethora of zinc ores and concentrates, zinc slabs continue in such relatively small supply as to make it needful for WPB to hold them under allocation control. However, the making of applications for authorization to buy these slabs has been materially simplified and the former requirement for dealers to obtain a preference rating of AA-5 or better, before making shipments, is being lifted as of April 1 when the new application procedure becomes operative in its entirety. Prices for zinc slabs have continued unaltered for the week March 3-10 at 8.25c. per pound in East St. Louis and at 8.66c. in New York.

## *Market Trends*

**Prices Advanced**

Alphapinene, ¼c. per gal.
Rosin, gum, D to WG, 1c. to 15c. per 100 lbs.
Turpentine, gum, ¼c. per gal.

**Prices Reduced**

Rosin, gum, B, 9c. per 100 lbs.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 140.2 | 140.2 | 140.2 | 140.2 |

## Pigments

Blue Lead.—Still showing a good buying interest with prices firmly held.

Lead Titanate.—Continues moving steadily on both war and civilian accounts. Market stable.

Litharge.—Shipments going forward at a spirited pace. Tone steady.

Lithopone.—In brisk call, as needs of regular users have latterly been considerably increased. Producers still able to keep these users fairly well supplied, in spite of the unrelieved shortage of zinc sulphide.

Orange Mineral.—A moderate-sized business is still being transacted in this pigment with prices well maintained. WPB's New York Regional Redistribution Division is offering from idle or excess stocks 100 pounds of this material.

Red Lead.—Buying movement continues to reach sizable proportions. Market holding firm.

Titanium Dioxide.—Producers are still exerting themselves to the utmost in their endeavors to distribute as equitably as possible all forms of titanium pigment running 12 percent $TiO_2$ and over among trade consumers after filling all rated orders. Market still very firm with the shortage only a little relieved.

White Lead.—Continuing to move uninterruptedly into both war production and civilian channels. Tone strong.

Zinc Oxide.—Situation still taut, with lead-free grades continuing under allocation control and with leaded grades in rather limited supply. Prices firmly held throughout the list.

## Fillers and Extenders

Asbestos.—Still moving in a slow but steady flow into consuming channels, with prices well maintained on both Canadian and domestic grades.

Barytes.—Market is still fairly well supplied with waterground grades in Missouri, although nearly bare of dryground grades in Tennessee and Georgia. Tone extremely strong.

Chalk.—Only a routine movement is reported for this material. No change in price structure.

China Clay.—Continues in fairly brisk request. Market stable.

Diatomaceous Earth.—Moving slowly but steadily into consuming channels. Tone steady.

Mica.—Paint trade demand for waterground grades continues active but, with a recent expansion of production, there has been some easing of the tension hitherto prevailing in the supply situation. Dryground grades, also in moderate request, are still in a somewhat tight position.

## Dry and Chemical Colors

Alkali Blue.—Buying interest holding up well. Market firm.

Bone Blacks.—Moving steadily into

## *Paint, Varnish, Lacquer Sales for January*

The value of paint, varnish, lacquer and fillers sold in January, 1944, as reported by 680 establishments to the Bureau of Census, was $43,880,617. Details of sales reported by these establishments, and comparative data for 1943 and 1942, follow:—

| | Total sales reported by 680 establishments. | Classified sales reported by 580 establishments—Trade-sales of paint, varnish, and lacquer. | Industrial sales—Total. | Industrial sales—Paint and varnish. | Industrial sales—Lacquer. | Unclassified sales reported by 100 establishments. |
|---|---|---|---|---|---|---|
| 1944. | | | | | | |
| January ..... | $43,880,617 | $19,178,205 | $20,079,993 | $15,052,113 | $5,027,880 | $4,622,419 |
| 1943 | | | | | | |
| January ..... | 37,843,112 | 17,456,304 | 16,220,911 | 11,929,522 | 4,291,389 | 4,165,897 |
| Total (year). | $568,620,999 | $265,201,659 | $248,899,746 | $186,186,562 | $62,713,184 | $54,519,594 |
| 1942 | | | | | | |
| January ..... | 47,044,491 | 22,842,005 | 19,190,138 | 13,825,151 | 5,364,987 | 5,012,348 |
| Total (year). | $529,745,027 | $260,484,650 | $212,134,990 | $155,858,623 | $56,276,367 | $57,125,387 |

*For current prices see alphabetical listing beginning on page 9.*

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consuming channels with prices well maintained.

Cadmium.—Production still halted by WPB's drastic restrictions on the metal and processing thereof. WPB's New York Regional Redistribution Division is offering 100 pounds of cadmium brightener.

Carbon Blacks.—Despite a notable further expansion of production facilities, for the making of furnace blacks, a shortage of these blacks is now threatened as the absorption of all available supplies of these blacks and of both easy processing and medium processing blacks by the manufacturers of tires from synthetic rubber continues to reduce stocks to meager proportions. As the paint trade is also buying steadily of channel blacks, inventories of carbon blacks are experiencing a further shrinkage.

Chrome Colors.—War procurement agencies continue to fill their navy and army requirements in zinc chromate yellow which, together with chromium oxide yellow, is under strict allocation control and therefore difficult for civilian users to procure in the quantities which they desire, even when they obtain the necessary authorization from WPB. Producers of chrome green, chrome yellow, chrome orange, molybdate chrome orange and hydrated chromium oxide are forced to limit purchasers to 25 percent of their aggregate consumption in 1941.

## Driers and Flatteners

With a recent further tightening of the market for naphthenic acid, there has been a lowering of the liberality heretofore shown by WPB in its granting of applications for the naphthenates, which, while continuing in keen demand, are not as universally procurable by civilian users. Tallates, therefore, are getting still more of the drier business hitherto going into naphthenates and are moving steadily into consuming channels. WPB's New York Regional Redistribution Division is offering 10,000 pounds of copper naphthenate tallate.

Stearates are still far and away the most popular of the materials in the flatteners and jellifying agents, with producers frequently sold two months or more ahead. There is also a fair inquiry for laurates.

## Lacquer Materials

Cellulose Acetate.—Active war demand holding supplies in tight position. Prices unchanged.

Dibutyl Phthalate.—Various price schedules will show little change for March 10-April 9 period according to incomplete reports from producers. Future supplies of this and other phthalate plasticizers will probably be cut by need for phthalic anhydride for more essential requirements.

Ethyl Oxalate.—Continues in somewhat easier supply than other esters, with one producer reported capable of filling normal orders without delay.

Nitrocellulose.—Market tone remains firm. In easy supply. Demand curtailed by scarcity of ester solvents. Shortage of drums would become a factor should demand expand.

## Naval Stores

Firmness continued to feature this market during the week. Although trading was restricted, the market was in a tight position. The parity of the price of gum turpentine for March was increased 2/5c. per gallon to 78½c. per gallon. Demand for turpentine was light, but the market was strong. Interest in rosin was moderate, with buyers operating spasmodically, though the trend of values was higher. According to the Department of Agriculture the current naval stores crop for the first nine months of 1943-44 was about 12 percent below that for the same period the previous season.

Ceiling prices that may be charged to the Commodity Credit Corporation for the storage of turpentine and rosin were increased to 3 cents a barrel of rosin per month and 7 cents per 50-gallon unit of turpentine per month by action of the Office of Price Administration March 10.

At the present time the storage charges on the government's stocks are 2 cents a barrel for rosin and 5 cents per 50-gallon unit for turpentine. The industry had asked for permission to increase the charges to 4 cents and 10 cents respectively.

The OPA action was taken in amendment 104 to Rev. SR-14, effective March 16.

Turpentine.—Business was moderate. Prices were firm with offerings light on the spot and at primary centers.

Savannah, Mar. 10.—Following is a record of the turpentine market for the week:—

| | Bulk gallons | | Barrels | | |
|---|---|---|---|---|---|
| | Cents. | Sales. | Receipts. | Shipments. | On hand. |
| Monday | 76½ | 1,800 | ... | ... | 39,054 |
| Tuesday | 76½ | ... | 15 | 567 | 38,495 |
| Wednesday | 76½ | 500 | ... | 331 | 38,164 |
| Thursday | 76½ | ... | ... | 131 | 38,033 |
| Friday | 76⅞ | 650 | ... | 103 | 37,980 |

Chicago, Mar. 10.—Buying interest quite active. Five-drum lots, 90c. per gallon; five wood barrels, 95c.; single drums, 93c.; single barrels, 98c.

Rosin.—Buyers taking fair-sized lots for prompt needs. Market firm, reflecting strength in the South. Price trend continued upwards.

Savannah, Mar. 10.—Following is a record of the rosin market for the week:—

| | Price per unit—Low of range quoted | | | | |
|---|---|---|---|---|---|
| | Mon. | Tues. | Wed. | Thurs. | Fri. |
| B | $4.11 | $4.11 | $4.00 | $4.00 | $4.01 |
| D | 4.25 | 4.25 | 4.32 | 4.32 | 4.32 |
| E | 4.50 | 4.50 | 4.60 | 4.60 | 4.60 |
| F | 4.60 | 4.60 | 4.65 | 4.65 | 4.65 |
| G | 4.67 | 4.67 | 4.70 | 4.70 | 4.73 |
| H | 4.67 | 4.67 | 4.70 | 4.70 | 4.73 |
| I | 4.67 | 4.67 | 4.70 | 4.70 | 4.73 |
| K | 4.75 | 4.75 | 4.75 | 4.75 | 4.78 |
| M | 4.80 | 4.80 | 4.80 | 4.80 | 4.83 |
| N | 4.92 | 4.92 | 4.92 | 4.92 | 4.95 |
| WG | 6.63 | 6.63 | 6.63 | 6.63 | 6.63 |
| WW | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 |
| X | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 |
| | Barrels | | | | |
| Sales | 318 | ... | 82 | ... | 107 |
| Receipts | 48 | 63 | ... | 36 | 13 |
| Shipments | 100 | 455 | ... | 608 | 266 |
| Stocks | 22,584 | 22,192 | 22,192 | 21,160 | 21,357 |

## Other Naval Stores

Pitch.—Fair sized lots in steady demand. Prices firm and unchanged.

Tar.—Trading moderate and mainly for actual needs. Market remains steady.

## Shellac

There is much high grade shellac in hand and in sight and it shows a cost per pound that precludes its profitable use in the manufacture of bleached shellac. According to the War Production Board in a statement released March 8, because the outlook for increased imports of shellac now appears brighter than at any time during the past two years, the WPB is planning to amend allocation order No. 106 to make some of the higher grades of shellac available for civilian uses. It will be recalled that on February 22, WPB gave permission for the use of orange shellac, ceiled by OPA at 45.1c. per pound or higher, for finishing floors and furniture; it had previously permitted the use of shellac to finish bowling alleys. Shellac at 45.1c. per pound or higher is high-grade shellac. The contemplated amendment will reduce paper work. WPB is also reported planning to ease present restrictions on inventories.
present restrictions on inventories. WPB increased the allocation of shellac for the record makers. In the second quarter, the use may go as high as one quarter of the manufacturers' total 1941 consumption.

## Synthetic Resins

Manufacturers of alkyd and phenolic resins are somewhat perturbed and confused by the action of WPB officials in making sharp cuts in their allocations of phthalic anhydride for the current month. The March allocation of this material to alkyd and phenolic resins announced by WPB for this month will be 3,500,000 pounds, as compared with last month's 4,500,000 pounds, while the March alloca-

tion to esters is now fixed at 4,900,000 pounds, contrasted with 4,725,000 pounds for February which was inclusive of interim allocations. But the alkyd resin group is being allocated 300,000 pounds additional for April and for each succeeding month of 1944.

## Varnish Gums

Asphaltum.—Virtually all domestic and Mexican types of this gum continue in keen demand and far from plentiful supply. Petroleum asphalts are slightly easier, as a result of a slight improvement in transportation facilities but there has recently been an almost complete stoppage of shipments of gilsonite, due to a distressing shortage of labor in that field.

Copal.—Moderate purchases of Congo copal continue to be made by varnish makers and manufacturers of resin emulsion paints.

## Glues and Binders

Casein.—Three more arrivals of Argentine casein, aggregating 15,586 bags, with a total weight of 1,054½ tons, have further eased the supply situation in the United States.

Glues.—A flood of applications for relief from the recently imposed WPB restrictions on the use of hide and acidulated bone glues by certain specified industries has borne fruit in the granting by that bureau of applications for an aggregate of approximately 1,000,000 additional pounds of these glues. Some amendment of the order imposing these limitations is in prospect, whereby authorizations for additional allotments would be based on the merits of the applications of the users themselves rather than on those of the manufacturers, as at present.

## *Plastic, Coldwater Paint, Calcimine Sales: January*

Sales of plastic and coldwater paints and calcimines, as reported by sixty manufacturers to the Bureau of Census, for January, 1944, compared with the totals for the corresponding month of 1943:—

**Plastic Paints**

| | Pounds | Value |
|---|---|---|
| Paste and dry powder, both casein and glue-bound (no longer shown separately), total | 396,907 | $27,553 |

**Coldwater Paints**

| | Pounds | Value |
|---|---|---|
| Exterior, lime or cement-bound | 675,632 | $47,028 |
| casein-bound | 312,744 | 20,238 |
| Interior, casein-bound, paste or semi-paste form | *806,558 | 29,754 |
| dry-powder form | 631,169 | 56,012 |
| glue-bound | 222,630 | 7,601 |

**Calcimines**

| | Pounds | Value |
|---|---|---|
| Hot-water | 1,204,492 | $53,749 |
| Cold-water | 991,297 | 46,972 |

Sales of these products for January, 1944, compared with those for January, 1943, were as follows:—

| | 1944 | 1943 |
|---|---|---|
| Plastic paints.....lbs. | 396,907 | 524,193 |
| value. | $27,553 | $44,506 |
| Cold-water paints...value. | $460,633 | $514,023 |
| Calcimines .....lbs. | 2,195,789 | 2,438,465 |
| value. | $100,721 | $113,544 |

## Bart-Messing Takes On Salts Plating Agencies

Bart-Messing Corporation, manufacturers' agent, 41 Park row, this city, serving the paint, varnish, chemical and metal finishing industries with various products, has added to the list of enterprises which it represents in the local territory the M. Ames Chemical Works, of Glens Falls, N. Y., manufacturer of silver salts since 1861, and the plating materials made by McGean Chemical Company, of Cleveland, O.

The Bart-Messing concern was organized a little more than a month ago by Morris M. Messing, formerly affiliated with the sales and technical service departments of the New York branch of the Harshaw Chemical Company, and Siegfried G. Bart, chemical engineer and a general partner of the Bart Laboratories, Belleville, N. J., to represent makers of driers, metallic salts and plating materials.

## Witco to Handle Blacks Of Continental Carbon

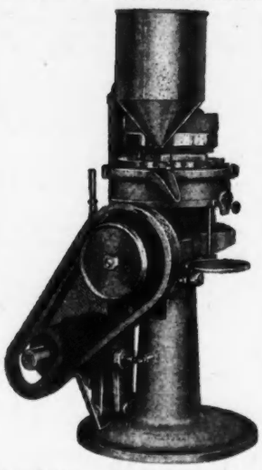
The complete line of blacks manufactured by the Continental Carbon Company, Sunray, Tex., will be handled by the Witco Chemical Company, according to Robert I. Wishnick, president of the Witco Chemical Company as well as Continental Carbon Company. Witco Chemical was formerly Wishnick-Tumpeer, Inc., producer and distributor of chemicals, pigments and asphalt products, this city.

## N. Y. Paint Club Nominating Group Headed by Roon

The executive committee of the New York Paint, Varnish and Lacquer Association has selected a nominating committee to present a slate of officers for the 1944-45 term. The committee is under the chairmanship of Leo Roon, of the Nuodex Company.

## Craig Quits PAW

Lucien F. Craig, has resigned from the Petroleum Administration for War. Mr. Craig had been assistant director of the Division of Petroleum Supply until that division was incorporated in the newly formed PAW Supply and Transportation Division.

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# Oils, Fats, and Waxes

Trading in oils and fats was routine during the week, with consumers absorbing moderate quantities for prompt requirements, although some business was noted for nearby and forward delivery. The announcement by the Commodity Credit Corporation reducing the price of oticica oil was received with interest in the trade. The base prices of liquid oil of 25c. per pound, in bulk was cut from 3¼c. to 4c. per pound depending upon quantity and crude oil formerly held at 23c. per pound was reduced about 3¼c. The oil was for sale to dealers from the government stockpile.

Some 10,000 tons of Argentine flaxseed were reported purchased by the United States Government for United Kingdom account for April-May shipment. This amount is equivalent to 400,000 bushels. Advices from Canada indicated that limited rainfall in the Prairie Provinces during the past six months has created a serious situation for flaxseed Spring planting. During that period precipitation was from 50 to 75 percent below normal.

## Vegetable Oils

Castor, Dehydrated.—Demand was quite active. Movement against contracts continued in good volume.

Corn.—Steady call noted, with production sold ahead.

Cottonseed.—Market remains in firm position. Demand for edible oil fairly active.

Oiticica.—Reduction in prices were announced of 3¼c. to 4c. per pound by the Commodity Credit Corporation for oil for sale from the government stockpile. Refined oil in tanks were quoted at 21c. per pound and 22c. per pound in drums, car lots, and 23c. per pound for less.

Brazilian production was estimated at from 8,000 to 11,000 tons for 1943, which is considerably higher than for the two previous years, which suffered frost damage.

Peanut.—Limited offerings of crude and refined oil were readily absorbed.

Soybean.—Crushers were scattering offerings. Consumers continue to manifest an active inquiry.

Tung.—Exports of tung oil during 1943 totaled 1,505,000 pounds under the lend-lease act, according to the War Food Administration.

**Atlanta, Mar. 8.—Announcements coming from Washington this week that the incentive price for peanut growing has been increased from $140 per ton to $150 and $160, is reported to have stimulated an increased acreage in the Southeast. It is reported that cotton growers in the peanut belt are switching some of their cotton land to peanuts.**

**Los Angeles, Mar. 8.—Business confined largely to cottonseed and soybean oils, with little doing in other oils owing to scarcity of offerings. Price steady at ceilings.**

Chicago, Mar. 10.—Spot market conditions are quiet in vegetable oils, with routine developments predominating. Orders have been reaching substantial proportions. Prices are unchanged.

## Flaxseed

Crushers readily absorbing receipts of seed which have increased of late. Market unchanged and firm.

The week's closing flaxseed price range was as follows:—

| | Cash. | May. |
|---|---|---|
| Saturday | $3.05 | $3.05 |
| Monday | 3.05 | 3.05 |
| Tuesday | 3.05 | 3.05 |
| Wednesday | 3.05 | 3.05 |
| Thursday | 3.05 | 3.05 |
| Friday | 3.05 | 3.05 |

Minneapolis, Mar. 9.—There was quite a run of flaxseed during the week, including some Canadian shipments, and it looked for a time as though the country was about to loosen up with offerings, but a bad storm throughout the northwest shut off farm movement to the extent that today's arrivals were the smallest in some time. Demand continued strong on spot and to arrive. Most of the daily arrivals were taken on arrive contracts. Fresh arrive offerings are moderate to light, probably due to the storm. Movement of Canadian seed was slow. Crop outlook through all of the flax producing territory was improved by rain and snow in recent weeks.

Crop movement in bushels follows:—

| | Receipts | | Shipments | |
|---|---|---|---|---|
| | 1944 | 1943 | 1944 | 1943 |
| This week | 227,000 | 182,500 | 94,500 | 61,500 |
| Since Sept. 1 | 17,835,000 | 12,771,500 | 2,528,300 | 1,006,000 |

Buenos Aires, Mar. 10.—No flaxseed offerings. Exports this week to United Kingdom were 67,000 bushels and to Continent 98,000 bushels, totaling 165,000 bushels. Visible supply, 12,598,000 bushels.

## *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

Oiticica oil, 3¼c. to 4c. per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 195.3 | 195.3 | 195.3 | 193.6 |

## Linseed Meal

Stocks of meal continue in small supply. Demand active and market strong.

Minneapolis, Mar. 9.—Crushers are doing the best they can to fill maturing contracts along with some old ones and even their best is not good enough for the buyers who are impatiently awaiting delivery. A spell of cold and wintry weather stimulated demand and desire for deliveries. Prices quoted at ceilings. Shipping instructions continue to pile up.

Shipments of linseed meal in pounds were as follows:—

| | 1944 | 1943 |
|---|---|---|
| This week | 12,800,000 | 10,760,000 |
| Since Sept. 1 | 316,382,000 | 301,260,000 |

Chicago, Mar. 10.—Trade is reported moderately good in linseed meal. Ruling price for March delivery quoted $48.88 per ton, sacks, Chicago.

## Linseed Oil

Improved trading was indicated for prompt and nearby needs during the week. Volume of business, however, was moderate. Withdrawals also were in better request than for some time past. Reports from North Dakota state that a survey by the Agricultural Adjustment Administration estimated the acreage in that State at 36 percent of the 1943 acreage.

The War Food Administration support prices for U. S. No. 1 flaxseed will be based upon $2.95 per bushel at Minneapolis, Chicago and Portland; $3 at Los Angeles and San Francisco; $2.85 at Emporia and Fredonia, Kansas; and $2.80 at Corpus Christi, Harlingen and Houston, Tex. Support prices for No. 2 grading will be 5c. per bushel less. WFA will also purchase linseed oil and meal from processors who agree to pay not less than the support prices.

Minneapolis, Mar. 9.—Oil trade lapsed again during the week and very little business was accomplished. Linoleum makers, paint mixers and core makers all wanted some fill-in lots. There was no government business reported. Interest in deferred shipment is limited.

Shipping instructions from the civilian trade held fair and crushers continued to operate at capacity regardless of the lack of government lease-lend instructions. They are not averse to putting some oil away to age and stocks are accumulating slowly. Apparently the difficulty in securing carriers to move supplies overseas has not been solved as yet.

Shipments of linseed oil in pounds were as follows:—

| | 1944 | 1943 |
|---|---|---|
| This week | 8,760,000 | 8,880,000 |
| Since Sept. 1 | 179,790,000 | 175,740,000 |

Chicago, Mar. 10.—Buyers continue cautious. However, tone of the market remains steady. Tankcars, 14.3c. per pound; drums, car lots, 15.3c.

Los Angeles, Mar. 8.—Linseed oil market about steady at two or three points below ceiling figures when tankcars are involved. Deliveries against old contracts are in good demand. Tankcars quoted at 14.3c. per pound.

## Cottonseed Oil

Activity in this market was confined to prompt and nearby requirements. Offerings were light. Crude was in a tight spot with available oil scarce at the mills and production sold up.

According to the War Food Administration exports under the lend-lease act during the year 1943 of the following products were:—Lard, 592,220,031 pounds; oleo oil, 14,911,403 pounds; oleomargarine, 91,578,517 pounds; pork fat, rendered, 41,906,603 pounds; shortening, 69,581,923 pounds; tallow, edible, 22,908,186 pounds; vegetable oils, 296,918,917 pounds.

Prices follow:—

| | Cents per pound in tanks | | |
|---|---|---|---|
| | High. | Low. | Close. |
| March | .... | .... | 14.00 14.31 |
| May | .... | .... | 14.00 Nom. |
| July | .... | .... | 14.00 Nom. |

Cash, refined, 14.00c. nom.
Crude, Southeast, 12¾c.

Chicago, Mar. 10.—Trade in cottonseed oil was moderate. Refined, edible oil, 16¼c. to 16½c. per pound, drums, car lots.

—*Continued on page 47*

***For current prices see alphabetical listing beginning on page 9.***

# *Fats, Oils Output, Consumption: Jan.*

The preliminary statistics of the factory production and consumption of animal and vegetable fats and oils for January, 1944, as compiled by the Bureau of Census, follow:—

**Vegetable Oils**

| | Pounds—Production | Pounds—Consumption |
|---|---|---|
| Babassu, crude | [3] | 1,312,000 |
| Refined | ..... | ..... |
| Castor, No. 1, crude | 9,109,000 | 8,909,000 |
| No. 3, crude | 2,849,000 | 2,742,000 |
| Dehydrated | 4,189,000 | 3,842,000 |
| Sulphonated | ..... | 409,000 |
| Chinawood or tung oil | 245,000 | 862,000 |
| Coconut, crude | 12,406,000 | 21,756,000 |
| Refined | 7,820,000 | 8,794,000 |
| Corn, crude | 20,228,000 | 21,095,000 |
| Refined | 19,691,000 | 11,156,000 |
| Cottonseed, crude | 145,240,000 | 141,045,000 |
| Refined | 132,432,000 | 98,593,000 |
| Linseed | 90,880,000 | 46,560,000 |
| Olive, edible | 2,478,000 | 53,000 |
| Inedible | ..... | 40,000 |
| Sulphur oil or olive foots | [2] ..... | 353,000 |
| Oiticica | [2] ..... | 528,000 |
| Palmkernel, crude | ..... | ..... |
| Refined | ..... | [3] |
| Palm, crude | ..... | 3,542,000 |
| Refined | [3] ..... | [3] ..... |
| Peanut, crude or virgin[1] | 12,334,000 | 13,915,000 |
| Refined | 13,484,000 | 11,732,000 |
| Sesame | ..... | 285,000 |
| Soybean, crude | 111,997,000 | 93,182,000 |
| Refined | 86,412,000 | 74,718,000 |
| All other | 2,899,000 | 1,184,000 |
| **Animal Fats** | | |
| Lard, rendered (including neutral lard and rendered pork fats) | 262,611,000 | 23,215,000 |
| Neatsfoot oil | 304,000 | 347,000 |
| Tallow, edible | 11,047,000 | 6,415,000 |
| Inedible | 90,446,000 | 89,923,000 |
| **Fish Oils[4]** | | |
| Codliver oil | 10,000 | 964,000 |
| Cod oil | 22,000 | 1,114,000 |
| Marine mammal oil | ..... | 1,247,000 |
| Other fish oil except liver oil | [11]795,000 | 15,078,000 |
| Other liver oil | 489,000 | 794,000 |
| **Greases** | | |
| Greases, including other than wool | 59,690,000 | 57,489,000 |
| Wool grease | 1,141,000 | 1,458,000 |
| **Secondary Products** | | |
| Animal fat and oil fatty acids | 13,313,000 | 15,075,000 |
| Animal foots, 100% basis | 1,671,000 | 1,680,000 |
| Fish and marine mammal fatty acids | 3,475,000 | 755,000 |
| Grease and lard oil | 3,269,000 | 4,279,000 |
| Oleo oil | 5,826,000 | 1,777,000 |
| Red oil or oleic acid | 6,392,000 | 6,018,000 |
| Stearic acid | 4,802,000 | 3,667,000 |
| Foots from fish and marine mammal oil (100% basis) | [6] ..... | 70,000 |
| Stearin, animal, edible | 3,973,000 | 2,514,000 |
| Inedible | 3,375,000 | 1,899,000 |
| Stearin, vegetable oil, winter | 7,146,000 | 4,165,000 |
| Tallow oil | 1,420,000 | 4,473,000 |
| Vegetable oil fatty acids from foots and other than from foots including fatty acids from tall oil, palm oil, refuse, etc. | 11,893,000 | 10,752,000 |

# Oils, Fats, and Waxes

—*Continued from page 46*

## Cake and Meal

Cottonseed and peanut meals continued scarce and firm. Soybean meal offerings more liberal, with buyers showing little interest.

Memphis, March 10.—Cottonseed oil continued in good inquiry. Trading light. Many mills winding up their crushes. Vegetable oil meals in good demand. Recent weather below freezing, retarding farm work.

## Fatty Acids

An active consuming demand continued for all grades. A brisk call also was noted for withdrawals against current contracts.

Chicago, Mar. 10.—Fatty acids are being taken in sizable quantities. Market firm.

## Fish Oils

Menhaden Oil.—Deliveries against contracts in steady call. New business was spotty and restricted to small lots.

Baltimore, Mar. 8.—Lack of stocks of crude oil served to prevent trading during the week. Crude was held at the ceiling of 8.9c. per pound; refined, light pressed, at 12.25c. per pound, tankcars, and 12.2?c. per pound, returnable drums.

Sardine.—Spot market was dull, but firm. The market on the Pacific Coast was quiet. Fishing operations closed for the season last week.

Los Angeles, Mar. 8.—Crude California sardine oil remained quiet last week. Ceiling price was 66.75c. per gallon in tankcars.

## Fats and Greases

Grease.—Steady consuming inquiry noted, with available stocks still below requirements. Market firm at ceilings.

Tallow. — Available stocks readily taken by consumers. Demand active and offerings inadequate to fill needs.

Chicago, Mar. 10.—All grades of products that are principal elements in tallows and grease markets are fully firm. Inquiry is showing some expansion. Prices are:—A white grease, 8¾c. per pound; stearin, 10.61c. per pound; prime white tallow, 8¾c. per pound.

## Animal Oils

Degras.—Good call noted for all grades. Prices unchanged.

Lard.—Small lots in active request. Offerings light.

Chicago, Mar. 10.—Good volume of business reported in animal oils. Prices are:—Lard oil, No. 1, 14½c. per pound; oleo oil, No. 1, 13¾c. per pound; tallow oil, acidless, 13¾c. per pound, tankcar.

## Waxes

Importations of waxes have looked up during the past two weeks. The latest reports concerning arrivals noted the landing of 372 bags of beeswax, 350 bags of carnauba, and 1,037 bags of ouricury. In the previous trading period, 8,374 bags of carnauba had been reported as arrived. Dealers responsible for the above arrivals indicated that the waxes went to owner-consumers virtually direct from the dock. Dealers reported sales to be at the limits of their import quotas.


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# Baker's fine chemicals

# Drugs and Fine Chemicals

Demand for drugs and fine chemicals was sharp and incisive last week. Production was pressed steadily to meet the requirements that flowed steadily to manufacturers, distributors, dealers, and even to brokers. Naturally, the undertone of the over-all market could be no less than firm.

Prices on penicillin were reduced, following a trend set in motion as production gained. Of interest was a press report to the effect that Brazil is to increase production, has shipped goods to this and other countries, and has forbidden further exports.

Whisky producers will get no "holiday" from industrial alcohol production, according to the Foreign Economic Administration which stated last week that the arrangement by which the United States will absorb production of Cuban alcohol and molasses in Cuba in excess of her home needs will give to the war program requirements much more alcohol than the United States would have gotten had the distillers bought alcohol in Cuba and sold it to our government at 40c. per gallon loss in exchange for permission to withdraw government stockpile alcohol for beverage use.

Prominent in the week's developments was a general slash in prices for vitamins sold at wholesale and retail levels. Packaged synthetic vitamins were affected and the reductions were said to have lowered consumer costs from 25 to 50 percent. Pharmaceutical houses said they were but passing to the consumer the benefits of lower costs resulting from increased production and improved methods of manufacture. There were no reductions made in prices at the producers' levels; producers' prices had done nothing but decline for months past.

January sales aggregating $25,188,000 were reported to the Bureau of the Census by 124 drug wholesalers. The total was 3 percent less than that for December but 10 percent larger than that for January, 1943. An average increase of 22 percent in inventories was reported in comparison with a year earlier.

Offerings of dibutyl sebacate and glycerin listed in some of our market reports were made by the Regional Division of the War Production Board, Empire State Building, New York City, and sales will be made in accordance with WPB regulations governing excess and idle inventories.

Acid, Ascorbic. — Quotations held. So also did the high volume of consumption that has featured the article for many months. Production is reported virtually at the peak of present capacity.

Acid, Gallic.—Needs seem to be met fairly well. The acute shortage has passed into a period of moderate but steadily flowing supplies.

Acid, Nicotinic. — Prices remain steady although the tendency remains in favor of the consumer. Production at high levels finds a ready consuming market.

Acid, Tartaric.—The raw material supply situation and the consequent limitations on productive capacity of the country remain unchanged. Demand continued excellent with supply less than needs. Imports totaled 137 barrels.

Alcohol.—Whisky plants must continue to make alcohol only; they will get no "holiday" during which to make whisky. The Foreign Economic Administration turned down the distillers' proposal to buy 50,000,000 gallons of Cuban alcohol at 90c. per gallon, and sell it to the government at 50c. in exchange for permission to take from government alcohol stocks two gallons for each three gallons of Cuban alcohol delivered to the government. FEA said its arrangement which takes all surplus alcohol and molasses in Cuba will produce the most alcohol for government needs.

Castor Oil. — Reports from Brazil covering crop prospects in several States noted. The 1944 crop in Bahia is estimated at 900,000 bags of 60 kilos each, comparing with 1943 production of 750,000 to 800,000 bags. The 1944 crop in Sao Paulo and Parana is expected to be less than that in 1933. Statistical data obtained from British sources may interest. Arrivals in the United States, as reported most recently, totaled 4,882,050 pounds. The total since January 1 has now reached 56,855,300 pounds. Brazil is to erect a plant for making dehydrated oil and the estimated capacity to be is 60,000 pounds. Five small factories producing about 685 tons of ordinary castor oil in 1943 are expected to equal that output in 1944. Stocks of beans on December 31, 1943, in Brazil were about 50,000 bags at Bahia and between 70,000 and 80,000 bags were in the interior.

Chicago, Mar. 8. — Castor oil prices are:—Cold pressed, U.S.P., returnable drums, car lots, 14½c. per pound; drums, less than car lots, 15¼c.; tanks, 13¾c.; No. 3, extracted, returnable drums, car lots, 14¼c. per pound; drums, less than car lots, 15c.; tanks, 13½c.

Cocoa Butter. — Stocks have been bettered by arrival of foreign-made butter in this country. Latest reports mention landing of 3,233 bags.

Codeine. — Bureau of Narcotics, Treasury Department, has declared that quotas for 1944 have been set at the quantities authorized in 1943. The 1943 quotas were the same as 1940 unless increase was authorized by the commissioner.

Dibutyl Sebacate. — WPB Regional Redistribution Division has offered for sale from surplus inventories 421 pounds.

Fishliver Oils.—According to allocation order M-373 of the War Production Board, defense of the U. S., has caused a shortage in vitamin A and, hence, between February 28 and March 31, inclusive, no person shall accept delivery of more than 500 million USP XII units of vitamin A in the aggregate from all suppliers, except vitamin A in transit to him on February 28 Arrival of 12 packages of shark liver oil reported.

Los Angeles, March 8—The trade remained comparatively quiet during the past week with the market very firm. In fact it is almost impossible to uncover trades with end users apparently purchasing all the livers in sight and liver prices remain higher than equivalent oil ceilings. Seattle reported the arrival of 23,281 pounds of soupfin shark carcasses for the five days ending March 4, 1944.

Glycerin.—WPB Regional Redistribution Division has offered for sale from surplus inventories 587 pounds of glycerin, and 8,000 pounds of yellow distilled glycerin. Said glycerin has appeared on several RRD reports of surplus stocks and slowness in sale may suggest the very good supply position of most producers of all kinds of glycerin.

Chicago, March 8—Glycerin prices for both chemically pure and high gravity are:—Tankcar, 18c. per pound; drums, car lots, 18¼c.; drums, less than car lots, 18¾c.

Menthol. — The Brazilian principal of a New York menthol factor of at least twenty-five years' standing reports that 80 percent of the total production capacity of Brazil comes from the Alta Sorocabana district, and that district in 1944 will produce about 594,000 pounds of peppermint oil, or between 240,000 and 268,000 pounds of menthol. A Department of Agriculture report makes total Brazilian cultivation some 15,000 acres and estimates production at about 22 pounds of oil per acre—a total of 330,000 pounds of oil. Estimates of Brazilian production have varied widely and have been received with substantial scepticism in the past. Menthol sellers with historical activity ranging from twenty-five to thirty-five years, and who were not invited to the recent OPA menthol meeting, say they are a bit "foggy" about what is the "infor-

*For current prices see alphabetical listing beginning on page 9.*

## *Market Trends*

**Prices Advanced**

None

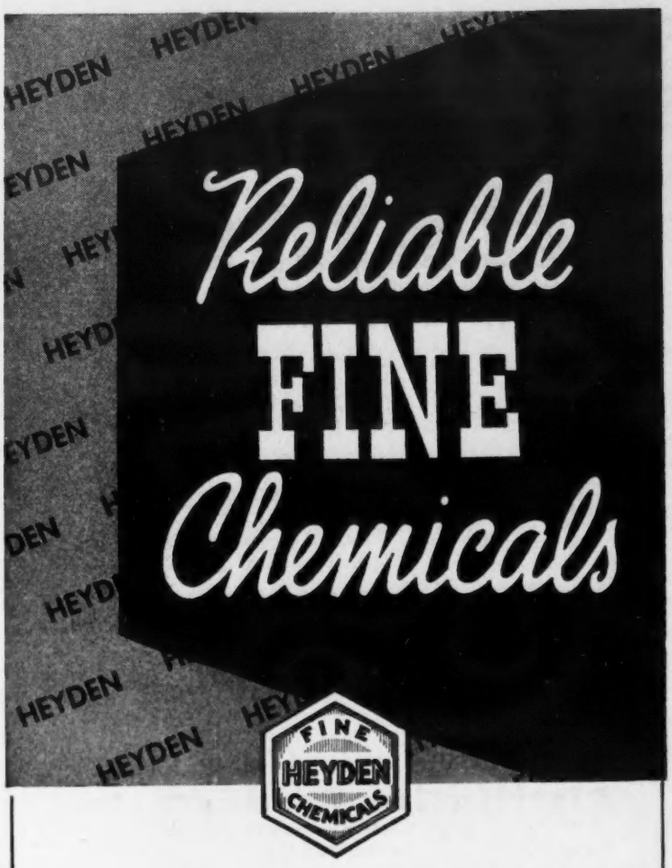
**Prices Reduced**

Penicillin, $1.25 per 100,000 units.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 243.7 | 243.7 | 243.7 | 241.5 |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mation" OPA now suggests be filed with it by those whom OPA overlooked but did not intend to slight in the matter of invitations.

Quicksilver. — Spot market dull. Mainly small orders and those come in irregularity. Prices hold. Suggested that government stockpile may become permanent store against future emergency.

San Francisco, March 8.—Buyers' ideas when quantities are involved appear to be not a great deal over $125 per flask, but there is little doing in the market. Some sales have been lately reported at $135 per flask but these are believed to involve rather small lots. There is some hope among producers and sales agents for a resumption of government business; however, little has come forth at this date to warrant a great deal of hope in this direction. Bad weather and low prices are tending to discourage production.

Penicillin.—Producers have reduced prices to $3.25 per 100,000 units. Brazilian dispatches stated that production there has been placed under government supervision and export has been forbidden. The same dispatch said that Brazil recently sent penicillin to Spain, the United States, and Great Britain and that a large quantity was recently found on a plane destined for Argentina. The Brazilian government has voted $200,000 to increase Brazilian production.

## *WPB Opposes New Producers*

*—Continued from page 3*

today, if suddenly the controls were relaxed another shortage would be likely to occur, injuring production for war. As for component parts, I would estimate that in the consumers' durable goods field there are twenty to thirty industries which require components which are now very critical, such as ball bearings, fractional horsepower motors, heavy castings, and engines. Restrictions on "new" companies which want to enter an industry for the first time will undoubtedly be needed until the new critical components and materials are in easy supply. Certainly, so long as wartime controls are retained, materials and components should not be allocated to these "new" firms until firms already established in the affected industries, and which are in a position to resume production of their former products, have received their just allocations.

### Equal Opportunity Favored

To a question whether it is contemplated that all producers of a particular product will be permitted to resume production at the same time and in amounts approximately equal to their relative peacetime production, Mr. Nelson replied:—

It would certainly be convenient, as well as fair, to allow all manufacturers in each industry to resume production at the same time, but this is, of course, a physical impossibility, owing to the varying degrees to which companies are engaged in essential warwork. If, without interference with the war effort, we can give a manufacturer in a noncritical manpower area materials and parts to resume production of things the civilian economy needs, I think it is to the public interest that we do so without waiting until another concern in a critical area is permitted to resume production. This policy may seem hard on the manufacturer in the critical area, but it would be at least an equal hardship on the manufacturer in the noncritical area if he were prevented from resuming production, just because a manufacturer in a critical area could not so do.

Mr. Nelson also informed Senator Maloney that from now on WPB will participate in decisions of the armed services on cutbacks of war orders. Up to the present time the services have consulted WPB only to a limited extent. The following procedure is being put into effect:—The military services determine their requirements, and when the rate of production is in excess of requirements, they will consult with WPB to determine the advisability of cutbacks in the program. The final decision that a cutback is necessary will rest with the military; but, as far as possible, WPB will try to guide the cutbacks in the critical labor areas in order to ease the manpower situation in those areas.

### Chrystal to Head OPA Study of Corn Syrup Prices

Harold Chrystal has been named senior business specialist in the Sugar Section, where he will work on price control of corn syrup, edible molasses and related products. Prior to his retirement from business in 1936, Mr. Chrystal was associated for thirty years with the Corn Products Refining Company of New York City.

## *Belgian Congo Quinine Commission Established*

*—Continued from page 7*

than 5 to 6 percent quinine sulphate. But as the trees reach maturity, it is expected that the yield will rise to 8 percent.

Congo production will probably afford 125 tons of bark or 7.5 tons of quinine sulphate for export in 1945 and 175 tons of bark or 10 tons of quinine sulphate for export in 1946.

The Governor-General of the Belgian Congo has granted permission for the increase of cinchona plantations to a total of 3,000 hectares (7,413 acres). Interesting to note in comparison is the fact that Java plantations, which produced 95 percent of the world's pre-war supply of quinine, had a total acreage of approximately 18,000 hectares (44,478 acres).

Plans are being made to use any postwar surplus of Congo quinine in an intensive campaign against malaria in the colony by administering prophylactic doses to the native inhabitants of malaria-infected regions.

British East Africa's first factory built to produce quinine is now working two shifts daily, the foreign press states. The factory located at Dar-es-Salaam, Tanganyika, manufactures cinchona bark secured from trees grown in the vicinity into a total alkaloid form known as totaquina.

## *Geo. Simon Retiring From Heyden Chemical*

*—Continued from page 7*

long and resultful services, presented Mr. Simon with a sterling silver water service.

In announcing Mr. Simon's intention to resign, Bernard M. Armour, president of the Heyden Chemical Corporation, in his annual address to the stockholders, March 6, said:—

Mr. Simon's principal responsibility over the years has been the direction of Heyden's sales policies. In this he has made an outstanding record. Mr. Simon is one of the persons primarily responsible for the fine reputation which Heyden enjoys in the chemical industry. I am sure that the stockholders join with the board of directors and myself in extending to Mr. Simon our grateful appreciation for his distinguished service to Heyden and our best wishes for the peaceful pleasures to which his years entitle him.

Mr. Armour said that it was expected that Mr. Simon's sales duties would be taken over by John P. Remensnyder, an assistant vice-president of the corporation, who has been closely associated with Mr. Simon's work as his assistant for a number of years. Both Mr. Simon and Mr. Remensnyder are known long, well, and widely for their part in activities of the American Drug Manufacturers Association.

### Benzoates Treatise Ready

Seydel Chemical Company, Jersey City, has published a revision of its "Treatise on Benzoates." Copies of the booklet may be obtained from the company at 225 Mercer street, Jersey City, N. J., mentioning the REPORTER.

### Felt Drug Co. Sold

Felt Drug Company, Watertown, N. Y., 111-year-old wholesale drug house, has been purchased by Leon D. Welch. Fenton R. Horton, vice-president and general manager of the corporation, will continue in his capacity and operate the business.

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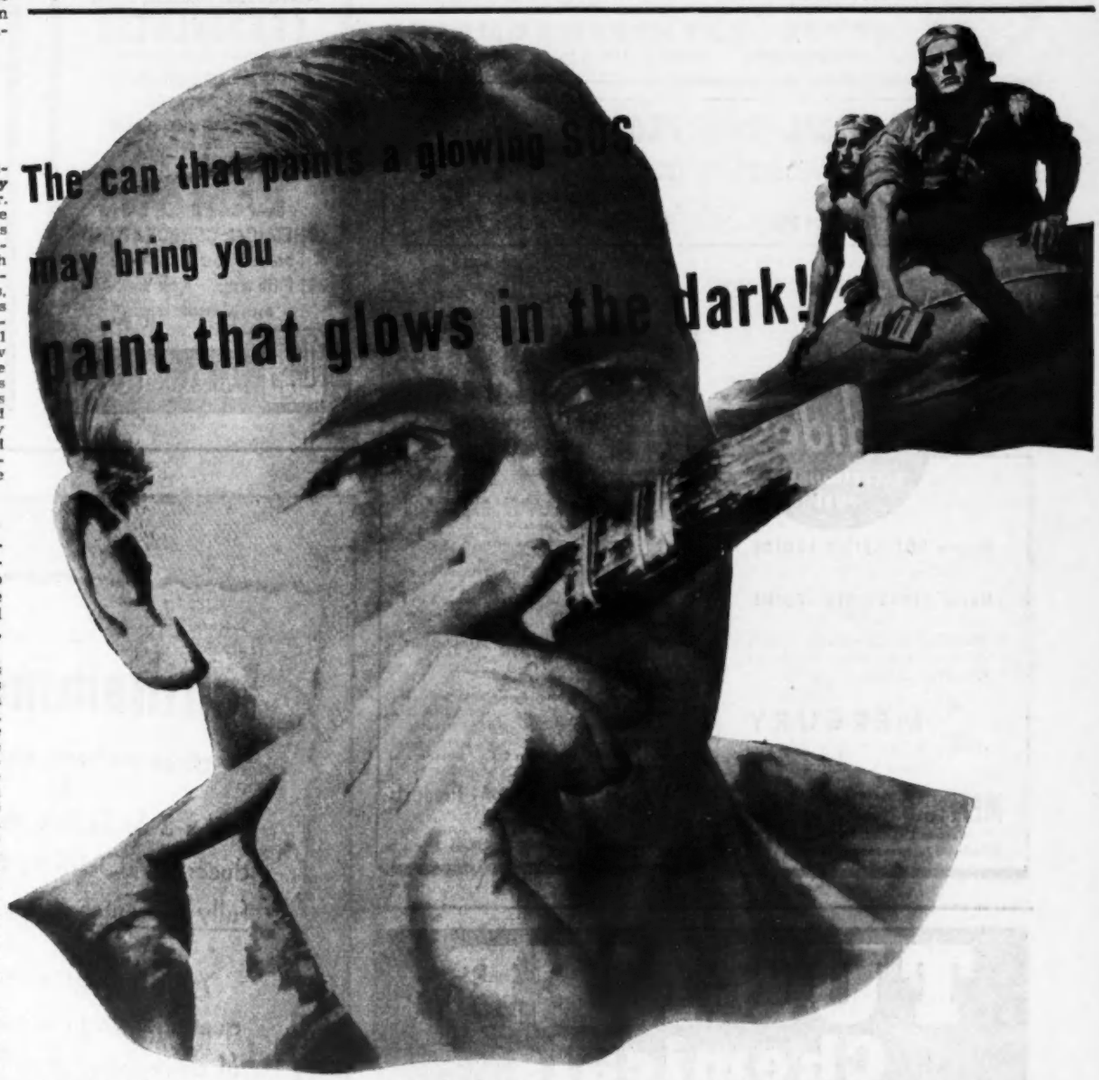


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It paints a huge splotch of glowing color on the water. This guides searching pilots, helps them see life rafts better.

Someday cans will carry a product to help *you* see better . . . paint that glows in the dark! You'll coat stairs and banisters with it to guide you at night.

New and better paints are coming after the war. Some paint experts envision a one-coat house paint, even a sound-absorbing paint.

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## *Physicians Group Gets Medical Plan*

*—Continued from page 7*

Abbott Laboratories. About 75 percent of these plans are not complete; the cost of medical services is not usually covered; and there is no provision for dental service. Plans of ninety firms, covering some 45,000 employees, show an average annual cost between $25 and $35 for each employee. Mr. Clough urged industrial support of the committee's program. So did Elmer Bobst, of Hoffmann-La Roche, who suggested that medical care of the indigent be entrusted to Red Cross supervision with the salaried services of young medical men. He urged also that the pharmacist take up the role of laboratory diagnostician for the physicians of his neighborhood. Insurance plans can take care of the cost of medical care for low-income groups, Mr. Bobst said, but organized medicine must make sure that it is prepared to provide adequate care regardless of economic factors.

Regimentation of medical practice was roundly condemned by Ivor Griffith, president of the American Pharmaceutical Association, who dissected title IX of the pending social security bill with keen recognition of its implications on human existence "from episode to epitaph." Declaring that government has no business in business, he asked that the NPC program be vigorously promoted. The responsibilities of individul enterprisers in the medical care of their employees were emphasized by E. L. Newcomb, executive vice-president of the National Wholesale Druggists Association The problem begins at home, he said; neighbor must help neighbor; employer must provide for employee. He pointed out the significance, with respect to distribution of medical services of the fact that something like one-half of the country's population is located in but fifty of the 3,000 counties in the United States.

Declaring that, in spite of its not being recognized, there is a reason for legislation of the Wagner type, Fred Griffiths, of the chain drug store group, urged that the problem be studied with the assistance of the public whence it arises. He said that people, for some reason, are averse to going to a physician. He suggested that individual doctors combine so as to provide continuous office service.

Objection to the insurance phases of the Wagner bill was voiced by Neville Pilling, of the Zurich company. He urged a program of health education through business, declaring that there was not adequate recognition of the need for prepayment or similar group plans for medical care. Insurance can provide financing plans, he said, but his comparison of costs of such plans was with the Wagner bill's entire cost of social security.

Insurance does not provide all that is necessary in the medical care problem, said John G. Searle, president of the American Drug Manufacturers Association. He also considered the N.P.C. program as a whole inadequate. Other avenues of approach must be used. He urged every employer to study insurance plans as this would open other viewpoints. Support of the N.P.C. program was advocated by Mr. Searle. Admitting that there was a selfish aspect in that the spending of more money for health meant more business, he declared that the primary concept was that it pays to help your employees.

With his customary vigorous condemnation of the Wagner bill and the whole concept of government medicine, Dr. Morris Fishbein, editor of the *A.M.A. Journal*, reported that the American Medical Association has a committee at work on plans for better distribution of medical services. This committee will report to the annual meeting of the association in June.

The essentiality of the medical profession in the construction of health care programs was stressed by Dr. Fishbein, also by Dr. Edward H. Cary, chairman of the N.P.C. trustees, and John M. Pratt, N.P.C. administrator. Time and study, all declared, were necessary in preparing programs, and the profession had come to a recognition that all facts must be faced and all trends; that the needs must be met by the profession, or remedies would be put forth by others. Extension of the activities of the committee was reported. In keeping with this Mr. Pratt's staff has had three additions, one of them being W. F. L. Tuttle.

The New York State assembly has passed and sent to the senate the Miller bill, which recognizes the health of the citizens as a matter of State concern and creates a commission of fourteen members to make recommendations for a program of medical care.

## *DCAT Pay Tribute To War Effort*

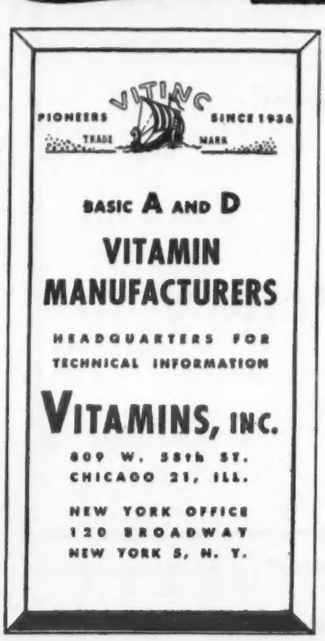
*—Continued from page 3*

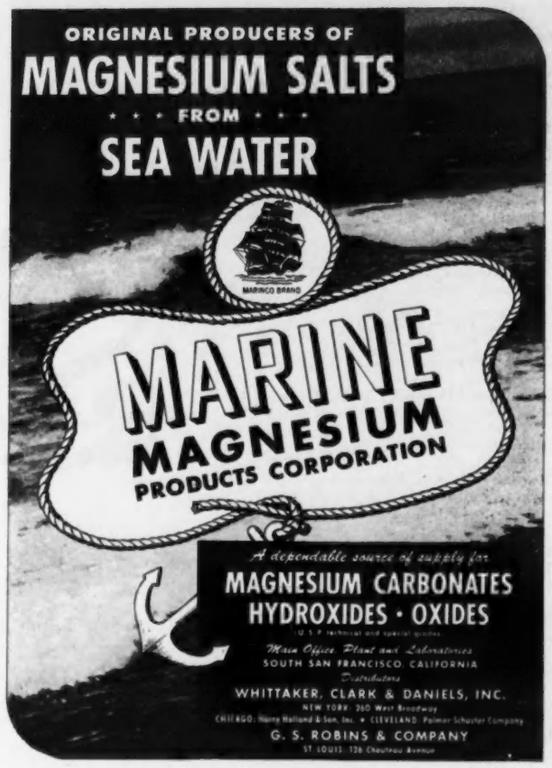
ice, U. S. Army; Major General George F. Lull, Deputy Surgeon General, U. S. Army; Major General Clifford L. Corbin, Director of Procurement Div., Office of Quartermaster General, U. S. Army; Rear Admiral H. W. Smith, M. C., Bureau of Medicine and Surgery, U. S. Navy, and Rear Admiral Kent C. Melhorn, M. C., Chief of Material Division, Bureau of Medicine and Surgery, U. S. Navy.

### 'Freon-12' Plant to Be Built in Indiana

A new plant for the manufacture of "Freon-12" fluorine refrigerant is under construction at East Chicago, Ind., according to Kinetic Chemicals, Inc., which is joinly owned by E. I. du Pont de Nemours & Co. and General Motors. The plant is being built on property of the Grasselli chemicals department of the du Pont company, and the equipment going into it is being leased from the Defense Plant Corporation. The East Chicago plant will have a capacity of approximately 2,000,000 pounds of "Freon" per month, and is in addition to a new plant at Deepwater Point, N. J., which is shortly to come into operation.

**General Paint** Company has named Henry L. Jones of Spokane, Wash., a director.



Aconitine, Amorphous
Aconitine, Crystals U.S.P. X
Allantoin, Penick
Aloin, U.S.P., Penick
Ammoniated Glycyrrhizin, Penick
Arecoline Hydrobromide, N.F., Penick
Asparagin
Atropine Alkaloid, U.S.P., Penick
Atropine Sulphate, U.S.P., Penick

Berberine Acid Sulphate
Berberine Hydrochloride, Penick
Berberine Sulphate, Penick
Brucine
Brucine Sulphate

Chrysarobin, U.S.P., Penick
Colchicine, U.S.P., Penick
Colchicine Salicylate, Penick
Digitalin (so-called German) N.N.R.
Digitonin, Penick

Elaterium, Penick
Emetine Alkaloid, Penick
Emetine Bismuth Iodide
Emetine Hydrochloride, U.S.P., Penick
Ephedrine Alkaloid, U.S.P., (Natural)
Ephedrine Hydrochloride, U.S.P., (Natural)
Ephedrine Sulphate, U.S.P., (Natural)
Eserine Alkaloid, Penick
Eserine Salicylate, U.S.P., Penick
Eserine Sulphate, U.S.P. VIII, Penick

Helenin, Penick
Histidine, Penick
Histidine monohydrochloride, Penick
Homatropine Alkaloid, Penick
Homatropine Hydrobromide, U.S.P., Penick
Homatropine Hydrochloride, Penick
Homatropine Sulphate, Penick
Hydrastine Alkaloid, U.S.P. IX, Penick
Hydrastine Hydrochloride, N.F., Penick
Hydrastine Sulphate, Penick
Hyoscine Hydrobromide, U.S.P., Penick
Hyoscine Hydrochloride, Penick
Hyoscyamine Alkaloid, Penick
Hyoscyamine Hydrobromide, U.S.P. X, Penick
Hyoscyamine Sulphate, Penick

Jalap Resin, N.F., Penick

Lobeline Sulphate, Penick

Ouabain (Strophanthin-G), U.S.P., Penick

Physostigmine, Penick
Picrotoxin, U.S.P., Penick
Pilocarpine Alkaloid, Penick
Pilocarpine Hydrobromide, Penick
Pilocarpine Hydrochloride, N.F., Penick
Pilocarpine Nitrate, U.S.P., Penick
Pilocarpine Salicylate, Penick
Pilocarpine Sulphate, Penick
Podophyllin, N.F., Penick
Quinine
Quassin, Penick

Sanguinarine, Penick
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Sanguinarine Sulphate, Penick
Santonin, Penick
Saponin Depurated, Penick
Scammony Resin, N.F., Penick
Scopolamine Hydrobromide, U.S.P., Penick
Sparteine, Penick
Sparteine Sulphate, N.F., Penick
Stilbestrol, Penick
Strophanthin-G (See Ouabain)
Strophanthin-K, U.S.P. XI, Penick
Strychnine

Totaquine, U.S.P., Penick

Veratrine

Yohimbine Hydrochloride, Penick

# *Strophanthin*
## *U. S. P. XI,* PENICK

A mixture of the glycosides obtained from *Strophanthus Kombé*, Strophanthin, U. S. P. XI, Penick is adjusted to possess a potency equivalent to not less than 40 per cent and not more than 60 per cent of Ouabain, as prescribed by the Eleventh Revision of the United States Pharmacopoeia.

In the past, the term strophanthin has been applied in a generic sense to the glycosides of any species of strophanthus, but now, both the United States and British Pharmacopoeias limit the source of this glycoside to *Strophanthus Kombé.*

Supplies of Strophanthin, U. S. P. XI, Penick are available for immediate delivery, or on contract for delivery during the next six months. Prices for various quantities are quoted on request.

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**ALKALOID EXTRACTING MANUFACTURERS**

# Botanical Drugs, Spices, Gums

Culinary and condimental botanicals occupied front place in market price developments during the past week. Botanicals that are strictly drugs were practically free from local change, but domestic drugs in the numerous primary markets were apt to rise in price at any time.

The fact was that local dealers found it either impossible to secure many domestic items from primary market sources, or were faced with prices that, on the occasion of virtually every inquiry sent to the source, proved to be higher than when quotations had been last received. This upward tendency of values was considered to be one more indication of the extent to which replacement stocks have sunken. There were others, too.

For example, one other was the general decrease in the number of merchandise and price lists being received here from primary market sources. Ordinarily, the leading sellers in the country send lists to dealers on spot more than often. Such lists are, practically, the show window in which primary market dealers display their wares. They are usually couched in terms of a ton of this drug, five tons of that, and ten tons of the other, together with asking prices. Today, primary market dealers have either stopped mailing lists—mainly because the quantities available are so small as not to justify circularizing—or merely name materials, but omit prices.

Never in the history of the botanical trade have like conditions prevailed, but unless the war ends soon or there be a marked change in the numbers of workers available for collecting drugs, the condition of short supply is a virtual certainty for the indefinite future.

## Balsams

Peru.—Firm undertones were sure reflection of the well maintained replacement cost of the material. Demand was not heavy.

Tolu.—Inquiries were fairly numerous, being about equal in number to those current in recent periods. Business was sufficient to hold prices firm.

## Barks

Black Haw.—The spot position of root bark continued strong as to price and scarce as to prompt delivery supply. Not a great deal would be found in any market at this time.

Cascara Sagrada. — Indications are that lumbering operations will take much of the labor ordinarily available for peeling cascara bark. The peel last year fell below normal quantities.

Elm.—The carryover will be less than normal and the outlook for sufficient labor to assure normal collection is reported poor.

## Beans

Tonka.—Absorption of supplies goes steadily forward and there is not much in the form of surplus holdings in the hands of the leading suppliers.

Vanilla.—Those with Bourbon beans actually in hand and available for sale showed no tendency to accept prices said to be the market in some discussions. The fact is that what may seem to be low prices usually would apply to goods still in the primary market and offered on an if and when basis of arrival. Mexican beans will soon begin to move toward this market, and they will come on a market carrying over but limited stocks.

## Berries

Raspberries.—Dried fruit is hard to come by at this time, but the new production season is coming along in the Pacific Northwest where, it is feared, producers' price views are not likely to ease.

Saw Palmetto.—Not much activity failed adversely to affect sellers' price opinions for prompt delivery merchandise. The market is reported basically strong.

### *Market Trends*

**Prices Advanced**

*Drugs*

Colombo root, 1c. per lb.

*Other Articles*

Caraway seed, Spanish, dewhiskered, 4c. per lb.
Niger seed, 1c. per lb.
Rosemary leaves, Portuguese, ¼c. per lb.
Paprika, Portuguese, choice, 1c. per lb.
extra fancy, ¾c. per lb.

**Prices Reduced**

*Drugs*

None

*Other Articles*

Caraway seed, Morocco, dewhiskered, 4c. per lb.
Celery seed, India, ¾c. per lb.
Clove, ¼c. per lb.
Ginger root, Cochin, unbleached, 1c. per lb.
Calicut, ¼c. per lb.
Laurel leaves, Turkish, 1c. per lb.
Marjoram, Chilean, ¼c. per lb.
Oregano, flat leaf, ¼c. per lb.
Paprika, Portuguese, good, 1c. per lb.
Sage, Cyprus, 4½c. per lb.
Savory, Spanish, 1c. per lb.
Thyme, Spanish, ½c. per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 261.7 | 261.7 | 261.1 | 253.6 |

## Flowers

Chamomile.—New crop Hungarian style flowers are being offered on spot and one prominent quarter names a minimum of 65c. per pound. Spot chamomile may be bought as low as 55c. per pound.

Clover.—There is real reason this year to hope that collection will be substantial; unsold portions of last year's crop are very small

Pyrethrum.—Further conferences relating to the pricing and marketing of pyrethrum products are expected to follow the recent organization meeting of the Pyrethrum Processors' Industry Advisory Committee with OPA.

## Gums

Aloe.—Reports from the American Consulate at Curacao, Netherlands West Indies, states that since July, 1943, demand in the islands has declined. Prices at the end of the year had fallen to 34c. to 37c. per pound per 1.1 pounds—the so-called "Dutch pound." Stocks December 31, 1943, totalled 1,400 cases.

Arabic.—Demand changed little, being present in company with rather substantial competition and a moderate interest on the part of consumers. Conditions appeared to favor importers for the most part.

Karaya. — Undertones held firm. Forward sales of goods recently reaching these shores accounted for more than a fair part of the total, leaving but limited quantities for warehousing by importers against new orders for prompt delivery merchandise.

## Herbs and Leaves

Belladonna.—Signs do not suggest major cultivation projects on the part of some possible growers. However, full decisions regarding cultivation this year have still to be taken.

Laurel. — Turkish material was shaded to 32c. to 33c. per pound.

Marjoram.—About the only varieties now offered on spot are a domestic herb produced in California, of exceptional aromatic properties, and available at a price which would make spot delivery about 74c. to 76c. per pound; and, finally, some Chilean which, last week, was a fraction lower at 37¼c. to 37¾c. per pound.

Rosemary. — Portuguese material higher at 8¼c. to 8¾c. per pound.

Sage.—Spanish shaded to 22½c. to 23c. per pound; Cyprus, down sharply to 22c. to 23c.

Savory.—Spanish material slightly more reasonable at 45c. to 47c. per pound.

Thyme.—Spanish was more competitive at 21c. to 21½c. per pound.

## Miscellaneous

Dragon's Blood.—Small spot demand has made it possible for dealers to keep a very limited reserve of this material available for prompt deliv-

*For current prices see alphabetical listing beginning on page 9.*

CHECK YOUR NEEDS
OF HOPKINS' ANALYZED HIGH-STANDARD
CRUDE DRUGS

NEW CROP
CHAMOMILES
HUNGARIAN TYPE

GENUINE CHINESE
RHUBARB
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# BOTANICALS

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Send for a sample of the botanical you are looking for. After checking specifications with those of your formula, you can order in any quantity with the knowledge that the shipment will exactly match the quality of the sample you receive. Call WHitehall 3-8281, or if you are in the Chicago area call FRAnklin 1094.

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eries. Little or no activity last week.

Lycopodium.—Collection of domestic material lies ahead, but there seems to be a fair amount of some lesser used qualities still available.

Papain.—Generally easy in undertone due to the present substantial supply that has accumulated in the spot market.

## Roots

Blood.—Although local dealers are mainly unable to supply, reports would indicate that, based on what would have to be paid for root in the country, spot prices around $2.50 per pound might be quoted.

Colombo. — The strengthening of market undertones continued and spot quotations prevailed on the basis of 14c. to 15c. per pound with sellers showing considerable reserve.

Goldenseal. — Virtually nothing is being carried into the new growing season and the neglect of new plantings in recent years seems likely to find further reflection through reduced production.

Rhubarb.—One quarter consistently mentions spot stocks of genuine Chinese U.S.P. root for spot delivery. Most other quarters declare they offer nothing but root obtained in India and definitely not U.S.P.

## Seeds

Caraway. — Dewhiskered Morocco seed lowered sharply to 66c. to 67c. per pound. Dewhiskered Spanish was as much higher at 68c. to 67c.

Celery.—Some sales around 22c. and 22½c. per pound took place as dealers absorbed the more cheaply priced parcels. Following removal of such lots into stronger hands, the market went to 23c. to 23½c. per pound, which, however, was ¾c. below the previous close. One well-informed agent of Indian shippers avers strongly that India is not and will not issue export licenses at an early date.

Coriander. — Major interest would spring up should firm offerings of seed afloat from Morocco be offered. But, so far as known, Moroccan seed remains in shippers' warehouses in Morocco.

—*Continued on page 64*

## *Chemurgic Conference In St. Louis March 29*

—*Continued from page 4*

"Soybean Fibers," R. Boyer, Research Division, Cincinnati.

"Chemicals from Farm Produce," Theodore Marvin, Hercules Powder Company, Wilmington, Del.

"Farm Feed from Wood," E. M. Schaefer, Washington, D. C.

"Penicillin," Dr. A. L. Elder, Chemical Division, War Production Board, Washington, D. C.

"Drugs and the Packing Industry," Dr. David Klein, Wilson & Co., Chicago, Ill.

"Sweet Potatoes for Starch and Feed," Dr. Julian C. Miller, Louisiana State University, Baton Rouge, La.

"Sweet Potatoes for Fermentation Industries," Dr. Paul J. Kolachov, Joseph E. Seagram & Sons, Louisville, Ky.

"Paints for Postwar Homes," M. F. Taggart, O'Brien Varnish Company, South Bend, Ind.

### Friday, March 31

"Rubber Developments," M. C. Teague, United States Rubber Company, New York.

"The Soybean in the Postwar World," Lamar Kishlar, Ralston Purina Company, St. Louis, Mo.

"Chemurgic Development and Possibilities in Canada," D. G. McKenzie, Winnipeg, Manitoba.

"What Chemurgy Means to the Farmer," Eugene M. Poirot, Poirot Farms, Golden City, Mo.

"Caribbean Molasses as a Factor in the Alcohol Program," Philip A. Singleton, New England Alcohol Company, Boston, Mass.

"Wheat and Corn Embryo," Ezra Levin, VioBin Corporation, Monticello, Ill.

"Revolution in Agriculture," Louis Bromfield, Lucas, Onio.

"Cuba and Chemurgy," Ventura Pedemonte, Joseph E. Seagram & Sons.

"Paraguay and Chemurgy," Rogelio G. Bozzano, Joseph E. Seagram & Sons.

"Uruguay and Chemurgy," Herbert G. Wirth, Joseph E. Seagram & Son.

"Chemurgy, the Answer of China's Economic Reconstruction," Dr. Paul L. Hao, Joseph E. Seagram & Sons.

"Inter-American Chemurgic Training," Elliott S. Hanson, Inter-American Training Administration, Washington, D. C.

Film: "Essential Oils of the World," Dr. Ernest S. Guenther, Fritzsche Brothers, Inc., New York.

PEEK AND VELSOR INCORPORATED 100 GOLD ST. NEW YORK 7

Established 1840 CRUDE DRUGS

N. F.

# Mandrake Root

**DESCRIPTION**

Barton wrote on its cathartic properties in 1798, and Hodgson published the first chemical research in 1832. But Wyandotte and Cherokee Indians centuries before knew its cathartic, emetic, and vermifugic uses well. Science named it *Podophyllum peltatum* but common folk called it Devil's-foot, Raccoon-berry, Umbrella-plant, Hog or May apple, and Wild lemon.

**CONSTITUENTS**

| | | |
|---|---|---|
| Fixed oil | Gum | Starch |
| Gallic acid | Resin | Ash |

**PROPERTIES**

Alterative—change without perceptible evacuation.
Cathartic—increases bowel evacuations.
Cholagogue—increases bile flow.
Diaphoretic—produces insensible perspiration.
Emetic—causes vomiting.
Emmenagogue—promotes menstruation.
Hepatic—relates to liver diseases.
Resolvent—dispells or resolves tumors.
Vermifuge—expells worms.

**PHARMACEUTICAL PREPARATION**

Podophyllum resin, N. F.

WAREHOUSE AND MILLS
JERSEY CITY NEW JERSEY

CRUDE BOTANICAL DRUGS From Forty Nations TRADE MARK

# Essential Oils, Other Aromatics

Arrival, or the pending arrival, of substantial quantities of bois de rose bought at fairly low prices in the Brazilian market some time back weakened the spot price views still further last week and quotations on the oil as well as for derivatives held in some quarters were lower. The market for essential oils and aromatic chemicals as a whole was vigorously active. Although there continued to be a real scarcity in many natural and chemical products, plants of dealers who have specialized in the production of replacement or substitute merchandise were kept very busy and the volume of business in such goods was large.

The situation as regards domestic essential oils continued uncertain as to the ultimate price decisions of the Office of Price Administration. Of the domestic group of oils, peppermint is by far the most important and it is thought here that the acreage of peppermint to be planted in the six producing States is tied directly to prices. In 1943, the land reported as cropped totaled 36,710 acres, which compared with 42,095 acres cropped in 1942. Many oils are made from wild-growing raw materials. Others are produced from cultivated raw materials. The price at which oil may sell becomes important to farmers who distill raw material that has to be cultivated. Hence, interest in OPA cogitations grows as the planting season approaches.

Citrous oils were generally firm. Orange was in good supply, while lemon was still fairly tight and bergamot was virtually unobtainable. Floral oils were none too plentiful, such items as patchouli, lavender, vetiver, and the like being hard to come by and, hence, they were virtually nominal. Signs pointing to an early loosening of stocks of essential oils known to be available in North Africa, Madagascar, Reunion, Sicily and Italy were still lacking.

## Essential Oils

Anise.—Scarcity abounds and is likely to be a commonplace until such time as the United Nations again restore shipments from China. Substitutes are doing yeoman service and trade in such goods runs high.

Bergamot.—Not a peep has been heard anent restoration of exports from Messina. Former agents of the Italian producers are vastly interested in the possibility but consider it improbable at this time.

Birchtar.—Some signs of competition appeared, it being suggested in some quarters that certain qualities might be obtained at price concessions.

Bois de Rose.—Prices were down to $3.90 to $4.50 per pound, but it was not quite certain that goods so offered were actually in warehouse. It was conceded that substantial quantities are about due to reach the United States markets; they have been afloat for several weeks.

Caraway.—Even those who had recently reported some very small quantities of genuine oil still in hand indicated "no stocks." The market on natural oil is nominal. There are some replacement goods offered.

Cedarleaf.—There are some who believe that production will drop this year unless the ceiling question is settled soon. Dealers find producers' views higher than they can pay and resell at ceilings.

Citronella.—A firm market prevailed for spot and forward delivery goods. Some fair sized holdings of Ceylon oil were available here, but sellers continued to reflect the recent rise in replacement prices at the source.

Clove.—A "raft" of clove spice arrived on this market lately, relieving considerably such shortage as some may have experienced and assuring a sufficient reserve to cover needs of the fairly distant future. Oil continued in fair supply on the basis of well maintained quotations.

Dill.—It is felt here that farmers will be able to produce a good sized crop this year. Their output in 1943 sold at limits that showed producers using reason in the matter of prices and they sold production with little trouble. Local dealers hope for as satisfactory a situation this year.

Eucalyptus.—There is not much chance of getting even a moderate proportion of the dives oil required here. Even Britain is said to go short of supplies. It appears that the shipping situation plays its part, although it seems to dealers here that returning army transports might stow some oil aboard if Australian authorities would permit.

Lavender.—It would be odd if the end of the war would find Russia a substantial shipper of flower oil. There is some reason to think that the Soviet Union is looking in that direction and it is surmised that war has not ended the combination known in Russia as the WEMST and a producer of lavender flower and spike oils.

Lemon.—The silence of Italian and Sicilian oil makers and shippers remains complete. The interest of local agents of former foreign shippers continues at avid as ever. Meanwhile, dealers with lemon oil orders to deliver would be pleased if producers' shipments would increase in size and frequency.

Lignaloe.—Stocks of Mexican seed oil were still mainly lacking on spot but there were moderate supplies of wood oil still available at very firm prices. Demand was rather quiet on the whole.

Orange.—Reserves on spot were ample to cover a reasonable expansion in demand. Movement was quite active last week, especially in the direction of confectionery manufacturers who have specialized in orange flavor since peppermint became a problem.

Peppermint.—Importations of oil in the amount of 32 cases were reported. Production in Brazil is now afoot and the output of 1944 menthol should gain. Oil imported here from Brazil is usually of interest to possible makers of menthol. OPA has yet to move in the matter of prices. And the War Food Administration has yet to shift upward the price floor of the farmer-dealers. Dealers here believe that price will prove an all important factor in peppermint herb cultivation this year. It is recalled that in 1943, 36,710 acres were cropped; in 1942, it was 42,095 acres. By States, the acreage in 1943 was as follows, with 1942 acreage in parenthesis: — Indiana, 15,000 (17,500); Michigan, 13,000 (17,400); Ohio, 120 (130); California, 690 (765); Oregon, 3,500 (3,600); Washington, 3,500 (2,700). The far below normal totals for 1943 were figures compiled by the Department of Agriculture. The 1942 acreage in parenthesis was close to normal. Mint farmers contemplate replanting the acreage lost last season on account of the wet weather. The talk of a higher ceiling price that may be granted by the Office of Price Administration to the farmers has helped such plans. Although the farmer knows that it is more or less of a gamble from that standpoint, since this matter dragged along so many months, nevertheless it helped. The planning of the replanting does not mean that it will be accomplished, as wet weather may interfere, and should additional farm help be withdrawn by the armed forces to any extent, such plans will be changed. The large producer will accomplish the plans set out, as he imports foreign labor, but since the majority of the production is done by small farmers depending on local or family labor their plans are subject to change. As an overall picture we expect an equal amount of acres in May as there was a year ago

Petitgrain.—The spot prices held steady, arrival of 13 drums being without adverse effect on the returns obtainable by dealers. Demand was very fair.

### *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

Bois de rose, $1.20 per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 259.4 | 259.4 | 259.3 | 239.0 |

*For current prices see alphabetical listing beginning on page 9.*

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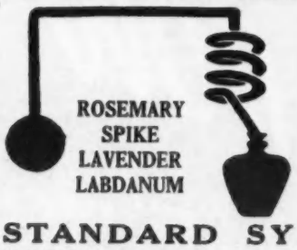
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Sassafras.—Brazil continues a substantial shipper of this material, the latest arrival totaling 82 drums. The goods came on a strong, well supported market. Not much natural oil of domestic origin was available.

Spearmint.—Concern regarding future supplies arises in this oil as well as in peppermint. Ceilings of local dealers plus prices wanted by farmers have driven said dealers out of the spearmint business in many instances. The planting season is not far away and farmers would be encouraged to increase production if they were able to get higher prices from spot dealers. Unless OPA lifts dealers' ceilings or puts a roof over farmers' prices, selling spearmint by local dealers will remain a memory.

## Aromatic Chemicals

Acetophenone.—The article was mainly in low supply, though a few distributors were more fortunate than others in their supply situation.

Anethol.—Sales keep well up to the availability of supplies and they were active throughout the past week at very firm prices.

Benzaldehyde.—Producers are limited to conservative production in meeting the very good demand that prevails. They view some resale prices as distinctly smacking of black market operations.

Benzyl Compounds.—The entire list is undersupplied when compared with the potential outlets that are subject to but partial receipt of needs.

Linalool.—Some sellers expect relief in the matter of short supplies as the result of some gain in raw material.

Linalyl Acetate.—More raw material should mean some improvement in available stocks.

### Doug Bennett in Navy

Douglas C. Bennett, long associated with the sales department of the Phelps Dodge Refining Corporation, this city, joined the U. S. Navy. His father, Walter C. Bennett, is president of the corporation.

## *FTC Regulation Of Discounts Urged*

*—Continued from page 3*

persons to undue competitive disadvantage, it shall enter an order removing such differentials and fix price differentials and limits thereof. The commission, on notice and after hearing interested parties, may modify or review such differentials and limits thereof as to a particular commodity or class of commodities; the foregoing shall then not be construed to permit price differentials or limits thereof greater than those so fixed and established.

Mr. Kelley advocated the change on the grounds that FTC finds itself powerless in many instances to break up special discount schedules and other allowances which it considers contrary to healthy business operations. He said that, as the law now stands, it sets up a rigid mathematical rule by which discounts must be measured. Since such allowances can be justified by reported savings in costs, they have the cloak of legality. The law should be changed, he declared, so that FTC would have more flexibility in correcting what it knows to be detrimental practices.

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# Petroleum Derivatives

Relief from the recently intensified shortages of heating oils and gasoline on the Atlantic seaboard has been vividly foreshadowed within the past week by a resumption of operations in the hitherto defective "Big Inch" pipeline conveying these greatly needed petroleum products from Southwest Texas to refinery distributors in New Jersey. But the relief which will thus be afforded will not reach substantial proportions immediately.

An initial flow of residual oil, following a clearing of this 20-inch diameter line with a "slug" of 115,000 barrels of gasoline, is now running at the rate of only 120,000 to 125,000 barrels of heating oil daily. But it is expected that the movement through this finished products pipeline will be stepped up to 150,000 barrels daily within the ensuing week and will attain maximum capacity deliveries of 180,000 barrels of such oil or 225,000 barrels of gasoline per day by the end of the current month.

This flow, when realized in full, should amply compensate for the recent lack of adequate transportation by tankcars and the impracticability of keeping enough of these slower mediums of conveyance on Eastward runs to meet the East's most pressing requirements.

But until the "Little Inch" pipeline has reached capacity operations, it is recognized in the industry that the supply situation in these petroleum derivatives on the East coast is sure to continue extremely taut, as many hundreds of tankcars—even those lately released from Pacific coast runs and reassigned to Eastern movements of heating oils and gasoline—are being laid up every week as they develop "hot-boxes" on their unaccustomed long runs across the continent or sustain other damage, necessitating layups in repair shops, where shortages of manpower and repair materials prolong their idleness indefinitely.

## Solvents and Diluents

Aromatic Solvents.—Although slightly less active than at the outset of this year, the demand for these high solvency aromatic naphthas continues to reach fairly sizable proportions. Deliveries of the all-xylol base for these solvents are being made without notable interruptions, albeit there recently was some difficulty in procuring enough tankcars for this purpose when they were most pressingly needed. While both allocated and unallocated grades of the solvents are still moving fairly freely, there is also a moderate call for the aliphatics.

Cleaners' Naphtha. — Continues in keen request on both military and civilian accounts. Market holding firm.

Lacquer Diluent.—Buying by the paint trade in this product is still reaching moderate proportions. Tone strong.

Mineral Spirits.—In fairly brisk demand on both war and non-military scores, although it is expected that there will eventually be some waning of the war production call. Prices well maintained.

Rubber Solvent. — Increasingly taken by the synthetic rubber manufacturers, with prices firmly held throughout the list.

Stoddard Solvent.—In unabatedly keen inquiry on all scores. Market very strong.

V. M. & P. Naphtha.—Sizable purchases continue to be made by various branches of the paint trade, but the takings of war production interests are believed due for some curtailment ere long. Tone steady.

### Markets at Other Centers

Chicago, March 10.—War demand still absorbing large quantities of most grades of petroleum solvents and diluents in this area. Especially heavy buying of rubber solvent by synthetic rubber makers still featuring the market. Tone generally firm for all products in this category.

Los Angeles, March 10.—Paint thinners continue to move out rapidly and the call for both allocated and unallocated products in the solvents and diluents field apparently knows no bounds. That producers are managing to keep up with the call for these products is a source of amazement.

## *Market Trends*

**Prices Advanced**

Fuel oil, No. 2, Western Pennsylvania, ¼c. per gal.
Gasoline, 72-74 octane, leaded, Western Pennsylvania, 0.45c. per gal.
Kerosene, 45 waterwhite, Western Pennsylvania, ¾c. per gal.; 47 waterwhite, ⅝c. per gal.

**Prices Reduced**

None

## Lighter Fractions

Butane.—With government takings absorbing virtually all offerings there is little available for home heating and other non-military industrial uses. Market firm.

Heptane.—In steadily increasing demand. Tone strong.

Hexane.—Continues in mounting request. Prices well maintained.

Octanes.—Buying interest in this liquefied gas expanding. Market steady.

Pentanes. — Keep moving slowly but steadily into consuming channels. No change in price structure.

Propane.—Subject to the same conditions as those noted in butane; hence in scanty supply for non-military users. Prices firmly held.

## Petrolatums and Waxes

Amorphous Waxes.—A moderate buying movement continues under way in these waxes. Market holding steady.

Paraffin.—There is still plenty of crude scale, but little demand for it. On the other hand, the call for low melting point grades is reaching larger proportions daily, with would-be buyers confronted by a distressing shortage in these grades. A little more liberal supply of the higher melting points is reported, but there is only a light inquiry. Prices strongly maintained throughout the list.

Petrolatums.—A steady movement of U.S.P., veterinarian and technical grades continues to be noted with prices firmly held.

White Mineral Oils.—Both U.S.P. and technical grades are still in fair request, with shipments going forward uninterruptedly. Market stable.

## Fuels and Lubricants

Crude Petroleum.—There has been a slight decline in the flow of crude oil from the principal fields within the past week. The average daily production for the week ended March 4 is reported to have amounted to 4,412,725 barrels, or 10,550 barrels less than that for the previous week. And daily average crude oil runs to stills have dropped 33,000 barrels to 4,344,000 barrels in the same period.

Fuel Oil.—Acute shortages continue to be noted in bunker and diesel oils as well as in No. 2 furnace oil on the East coast and especially in New England, with no prospect for substantial relief until the "Little Inch" pipeline attains maximum capacity operations about the close of this month.

WPB has announced that members of the Oil Burner Industry Advisory Committee have recommended that a limited production of domestic type oil burners be resumed for replacement purposes as soon as war needs relax sufficiently to permit the use of requisite materials and manpower.

Refiners in Western Pennsylvania, who had not already marked up their prices to ceiling levels for No. 2 fuel oil, have advanced their quotations for this grade a quarter cent per gallon, making their revised price range 6¾c. to 8.05c.

Gasoline. — Western Pennsylvania refiners have marked up their prices for 72-74 octane leaded gasoline to the extent of 0.45 cent per gallon, making their revised quotations 8.45c. to 8.50c.

OPA has ruled that farmers and other off-the-highway users as well as highway users of gasoline will be required, after March 15, to endorse all "E" and "R" coupons that they exchange for gasoline, whether the exchange is on their premises or at a filling station.

Kerosene.—A new set of advances has been announced by Western Pennsylvania refiners for 45 and 47 waterwhite grades. For the former, the quotation has been advanced by a quarter cent to 7½c. to 8c., while for the latter the range has been elevated to the extent of three-eighths of a cent to 7¾c. to 8c.

**For current prices see alphabetical listing beginning on page 9.**

## *ODT Offshore Rules Clarified*

*—Continued from page 5*

States for delivery to ocean carriers, or for storage.

2. Certain carload and truckload shipments of export freight from points in the United States to or through the Dominion of Canada.

3. Carload and truckload shipments of domestic or import freight to or within named port areas in the United States for storage in a public warehouse for the account of a government agency.

The new order, ODT officials explained, makes four important changes in the procedures required by the original order. They were set out as follows:—

1. In order to insure effectiveness of coordinated routing control under the order, a provision has been placed in Administrative Order ODT 17 making the permit invalid except by the routes named in the permit.

2. Whereas the old order applied only to carriers, the new order is directed to both shippers and carriers, except as otherwise provided in the order.

3. The new order eliminates the requirement for ODT permits for less-than-carload or less-than-truckload shipments to the other American republics.

4. The new order also requires that permits shall be obtained for shipments delivered to a ship by other than common carriers.

ODT officials said that Administrative Order ODT 17, which outlines the procedure for the administration of the new order, is being issued concurrently with the issuance of General Order ODT 16A.

## La. Standard Oil Contract With DPC $25,000,000

Standard Oil Company of Louisiana, Baton Rouge, La., has increased its contract with the Defense Plant Corporation to provide additional equipment at a plant in Baton Rouge at a cost of approximately $600,000, resulting in an over-all commitment of approximately $25,000,000. Standard Oil will operate these facilities, title remaining in Defense Plant Corporation.

### Petroleum Products Arrival at Bayway Sets Mark

Arrival of the 20,000,000th barrel of finished petroleum products to be received by tankcar at the war emergency unloading racks at Bayway, N. J., was witnessed March 6 by representatives of the navy, in company with transportation and oil company officials.

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## National Wax to Change Name

National Wax Refining Company, Brooklyn, will change its name to International Wax Refining Company April 15.

## Consultants Directory Revised

A revised and enlarged eighth edition of its classified directory has been issued by the Association of Consulting Chemists and Chemical Engineers, this city. The directory lists the consultant services available from the various members of the organization and indicates the fields i neach particularly specializes. A free copy of the volume may be obtained by addressing the association at 50 East 41st street, New York 17, N. Y.

## Oil Trades Ass'n Re-Elects

W. M. Osborn of the Zimmerman Alderson Can Company was re-elected president of the Oil Trades Association of New York at the annual meeting held at the Waldorf-Astoria March 7. Attendance totaled 350. Other officers elected were vice-president, K. L. Patterson of Stanco Distributors, Inc.; secretary, Joseph C. Smith of the Smith-Weihman Company, and treasurer, Rudolph G. Sonneborn of L. Sonneborn Sons, Inc.

## Galvanizers Meeting in St. Louis

The galvanizers committee has just announced that it will hold its fourteenth meeting coincident with the regular annual meeting of the committee's sponsor, the American Zinc Institute, in the Jefferson hotel, St. Louis, Mo., April 17 and 18.

**Glue Research** Corporation, this city, has filed a certificate of voluntary dissolution with the Secretary of New York State.

## Kobuta Producing Largest Total of Synthetic Rubber

Kobuta, Western Pennsylvania's 200-acre synthetic rubber chemical plant, produced more butadiene during the month of January than has been produced by any other American plant in any month. The figures have just been released by Dan M. Rugg, Vice-president of Koppers United Company, Butadiene Division, which operates the Kobuta plant for Rubber Reserve Company. This production was more than 150 percent of the plant's rated capacity of 80,000 tons of butadiene per year.

# Fertilizer Materials

In contrast to substantial increases reported in recent months, a decline was registered in fertilizer tax tag sales in February as compared with the corresponding month of last year. National Fertilizer Association reported total sales for the month amounted to 1,300,000 tons against 1,451,000 tons a year ago and 1,255,000 tons in 1942. The decline in sales reflects the earlier buying this year, rather than a falling off in anticipated demand for fertilizer. In the five months from October through February, in which period the sale of tags is chiefly for tonnage moving for Spring crops, sales this year were considerably larger than in the last two years.

NFA gave the production of superphosphate for January at 436,000 tons, basis 18 percent a.p.a. This represented an increase of 9 percent over the same month in 1943. Total shipments for the month were 244,000 tons against 253,000 tons for the same month a year ago. Stocks at the close of January were 660,084 tons compared with 624,084 tons for December.

Advices from the South continued to report an extreme labor shortage. In some sections it was stated that demand for mixed fertilizers had attained an unprecedented level, while labor conditions and transportation difficulties have made it improbable that the full inquiry can be satisfied. Railroads are straining every effort to help out in distribution, but admit that delay in unloading boxcars at supply points is working against any visible improvement in the situation.

A recent importation amounting to 600 tons of phosphate rock from Russia was reported to be for experimental purposes. No sizable lots were expected to come from that country in the near future.

Grade 10-10-5 has been added to the list of approved grades of fertilizer for Idaho by an amendment to FPO—5 revision 2.

## Market Trends

**Prices Advanced**

None

**Prices Reduced**

None

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 71.8 | 71.8 | 71.8 | 71.8 |

## Nitrogenates

**Ammonia Sulphate. — Full allocations were taken by mixers and the combined movement was about as large as regulations permitted. Recent additional releases to the New England States have eased the tension in that area and allowed mixers to complete their programs. Judging from reports, more of this material could be used in other sections if releases could be obtained.**

**Castor Pomace. — Production has been well sold ahead and relatively little material has reached the open market. Demand was active with trading restricted through absence of available material.**

**Cottonseed Meal.—Late importations are reported to have been shipped to the tobacco-growing sections of New England. There was an active call for meal from tobacco growers in other sections, although no new releases were reported.**

**Dried Blood.—Some domestic material was reported to have been moved for fertilizer use, regardless of the high prices named. Recent arrivals of foreign material have been taken by feeders. The supply situation for domestic seemed to be slightly easier, due to a better production in the West.**

Nitrogenous Material. — Shipments against standing contracts accounted for the week's movement. The market remained in a heavily sold up condition with new business restricted by the shortage of additional offerings. The recent WPB order eliminating hide fleshings and other leather scrap for use in fertilizer has exerted a curtailing influence on production in some instances, although several manufacturers have resorted to substitute materials in order to maintain their output.

Soda Nitrate.—Deliveries in this section appeared to be holding at a satisfactory average while in other directions the movement did not seem to be as rapid as expected. The supply situation continued favorable enough to meet all allocations promptly.

Tankage.—Political disturbances in Argentina have been reflected in the confusion of shipment prices and it looked as though supplies from that source would be restricted. Foreign arrivals during the past few weeks have been entirely routed to feeders.

## Phosphates

**Phosphate Rock.—Demand for mine shipments remained active for superphosphate production. There seemed to be no sign of relaxation in the prospective call as government goals for superphosphate are the largest ever recorded. No improvement in the manpower situation was noted. The position of the market was reported definitely firm under the high cost of production. A small lot of foreign material amounting to 600 tons arrived recently.**

**Superphosphate.—More inquiry appeared to be developing in the North. This was considered a seasonal occurrence. Production remained heavily under contract with no apparent shortage in this section, although reports from the South indicated difficulty in distribution in some areas owing to labor shortage. The limited supply of triplesuperphosphate held that market in a relatively tight position.**

## Potashes

**Improved supply conditions have eased the tension formerly noted in this market. Mixers have called for deliveries and the movement has continued steady under WPB regulation. The outlook was reported favorable with combined shipments holding a satisfactory seasonal average.**

## Sulphur and Pyrites

**Sales of native sulphur continued at a high rate in January, 1944, and production declined, according to figures released by the Bureau of Mines, United States Department of the Interior. Forty-seven percent more sulphur was shipped from the mines than in January, 1943. Apparent sales in January, 1944, were six percent, and mine shipments three percent greater than the monthly average for 1943, whereas production was 15 percent lower. Producers' stocks were reduced approximately two percent or 102,203 tons during the month. Production in January was 179,226 long tons, against 202,984 in December and 231,086 in January last year. Mine shipments were 253,190 long tons in January, compared with 171,755 for the same month last year. Stocks in producers' hands at the close of January amounted to 4,360,018 long tons, compared with 5,148,206 for January, 1943, and 4,462,221 for December last year. Pyrites sales were regulated by the amount of material available. Shipping conditions were of a character to keep the supply of imported material uncertain. Prices were unchanged.**

—Continued on page 64

### *Fertilizer Tag Sales: Feb.*

| | Equivalent tons—February | | Jan.-Feb., |
|---|---|---|---|
| | 1944 | 1943 | 1944 |
| Virginia | 75,825 | 64,422 | 142,399 |
| North Carolina | 241,507 | 298,931 | 497,570 |
| South Carolina | 160,995 | 208,889 | 315,353 |
| Georgia | 210,540 | 248,370 | 408,558 |
| Florida | 83,820 | 75,196 | 196,842 |
| Alabama | 154,050 | 195,700 | 307,650 |
| Mississippi | 81,395 | 77,643 | 165,395 |
| Tennessee | 46,397 | 42,613 | 67,685 |
| Arkansas | 35,800 | 40,090 | 55,158 |
| Louisiana | 33,550 | 39,413 | 65,150 |
| Texas | 40,625 | 33,480 | 58,525 |
| Oklahoma | 4,109 | 5,350 | 8,259 |
| Total South | 1,168,613 | 1,330,097 | 2,288,544 |
| Indiana | 65,200 | 72,500 | 89,955 |
| Illinois | 16,850 | 15,429 | 44,950 |
| Kentucky | 34,988 | 6,005 | 64,376 |
| Missouri | 9,984 | 25,793 | 46,946 |
| Kansas | 4,491 | 1,253 | 9,171 |
| Total Midwest | 131,579 | 120,980 | 255,398 |
| Grand total | 1,300,192 | 1,451,077 | 2,543,942 |

*For current prices see alphabetical listing beginning on page 9.*


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2—Devine Rotary Dryers; 3'x25'; 5'x30'.
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2—Rotex Sifters: 40"x84"; 54"x120".
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1—Heavy Duty American Drum Hoist.
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2—Buffalo 6' Crystallizers or Pans.

**MILLS - GRINDERS**

1—Mikro No. 4—24" Pulverizer.
1—Williams, Size 20 Hammer mill, large cap.
2—Lined Pebble Mills: 40 gal.-800 gal.
1—Hardinge 8'x22" Steel Ball Mill.
8—Ross-Kent 3 Roll Mills; 12x30; 16x40.
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1—Buflovak 24"x20" Single Drum Vacuum Dryer.

1—Vulcan 6'x42' Rotary Dryer.

2—Buflovak 6' dia. Crystallizers.

1—W. & P. Mixer, jacketed, 100 gal., vacuum type.

1—Day No. 30 Imperial Jacketed Mixer, 75 gal.

3—5, 10 and 15 gal. Day Cincinnatus Double Arm Mixers.

5—Pony Mixers, 2½ to 40 gal.

2—Scott Closed, Steel Jacketed Kettles or Cookers, 1200 gal.

18—Tolhurst 20", 32", 40", 48" Centrifugals, copper, steel baskets.

2—American Tool 40" bottom discharge Centrifugals.

3—Sharples No. 6 Centrifuges.

2—50 gal. Copper Vacuum Pans.

1—Copper Jacketed, Agitated Kettle, 600 gal.

2—Buflovak, Devine Jacketed Kettles, 300 and 600 gal.

1—Copper Tank, 6'x6', 1250 gal.

2—Lead Lined Tanks, 1700 gal.

**Over 1000 other items in stock. Send us your inquiries for prompt attention. We specialize in disposing of your surplus equipment. Send Lists.**

BRILL Equipment Co.
183 VARICK STREET NEW YORK


### Equipment Wanted

WANTED—200 gallon glass lined still with or without glass lined condenser. Lining should be in good condition. Include sketch showing approximate size and location of openings. Plate and frame filter press, monel or rubber covered. Closed discharge suitable for washing with cake capacity of about 15 cu. ft. George A. Breon & Company, 2107 Grand avenue, Kansas City, Missouri.

### Facilities Offered

PACKAGING, MIXING, processing facilities available for powders, liquids and compounds of all types. Plant located Metropolitan New York on railroad siding. Additional work desired for our men and machines. BOX 906, Oil, Paint and Drug Reporter.

### Materials Offered

COCHINEAL—About 10 tons for immediate delivery; attractively priced. Full particulars and sample upon request. M. B. M. Co., 119 Lafayette street, New York City.

PAINTERS CAPS, paperhanger aprons and all other forms of cloth advertising specialties; samples and information on request. Minnesota Specialty Co., 119 N. Fourth street, Minneapolis, Minn.


**1—3 Roll High Side Raymond Mill, Belt Driven, complete with Cone Separator, Fan, Cyclone Dust Collector and Piping.**

1—Raymond No. 10 Imp Mill, complete.
3—No. 0000 and No. 0 Raymond Mills.
6—Autoclaves, 200 to 1500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1600 gals.
1—Procter Automatic Conveyor Dryer.
1—Pfaudler 350 gal. Glass Lined Tank.
5—20, 35 and 150 gal. Closed Agitated Jacketed Copper Kettles.
4—Ball & Jewell, Rotary Cutters, New.
3—Homogenizers 5 H.P., 7½ H.P. and 10 H.P.
2—Buckeye 15 Box Hydraulic Oil Presses, 16" Ram, 4,000 lbs. P.S.I.
1—Oliver Rotary Filter, 6'x6'.
1—Faust 150 gal. Jack. Spiral Mixer.
2—75 and 1500 gal. lead lined closed Kettles.
1—Schutz-O'Neill No. 2 Gyrator Sifter.
2—Robinson 20" M.D. Attrition Mills.
1—Howe Iron King Filler and Packer.
2—4000 gal. Vert. Acid Proof Tanks.
4—Iron & Wood Filter Presses 8", 12", 27" & 30".
4—Watson-Stillman Hydr. Pumps.
1—Nash No. 3 Vacuum Pump.
1—No. 2 Oliver 14"x8" Duplex Vacuum Pump.
1—Pennsylvania Vac. Pump, 14"x 5".
2—Worthington 12"x12"x12" Vacuum Pumps.
2—DeLaval No. 301 and 600 Multiple Clarifiers, motor driven.
5—Ross 8, 15 and 40 gal. Pony Mixers.
2—5 Roll water cooled 16"x40" Steel Roller Mills.
2—Ross 3 Roll Mills, 12"x30" and 16"x40".
3—Double Stand Steel 4 Roller Mills, 7"x18", 7½"x20", and 7½"x30" Rolls.
10—Pebble and Jar Mills, Lab. to 200 gal.
5—Centrifugals, 26", 28", and 40".
8—Stone Mills, 10" to 32".
8—Lead and paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
6—Horiz. and Vert. Mixers, up to 500 gals.
10—Glass Lined and Steel Tanks up to 4000 gals.
1—Schutz-O'Neill No. 1 Sugar Pulver.
2—Schutz-O'Neill 16" and 20" Pulv.
2—Double-Roll Crushers.
3—Williams, and Quaker City Hammer Mills.
10—Electric Agitators, ¼ to 3 H.P.
20—Rotary Centrif. and Triplex Pumps.

**Only Partial Listings**
**Write for Complete Bulletins**
**We Buy Your Surplus Machinery**

**STEIN EQUIPMENT COMPANY**
Department E
426 BROOME ST., NEW YORK 13, N. Y.


### Materials Offered

AVAILABLE in large tonnage tremolite wollastonite; 500 pounds carnotite 35% U308; 50 pounds each boron amorphous, boron trichloride, ferroboron, ferrouranium, iron carbonyl; also kilo lots Germanium, gallium, indium, beryllium, barium, strontium, potassium, vanadium, tantalum, titanium, zirconium metals. Address "Chemicals," 198 Broadway, New York.

### Materials Wanted

WILL PURCHASE your surplus and discontinued chemicals, drugs, oils, waxes, dyes, solvents, etc., and will pay highest cash prices for same. Thoroughly familiar with WPB regulations. Will make immediate offer. Write fully. BOX 902, Oil, Paint and Drug Reporter.

TO MANUFACTURERS and jobbers—Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. BOX 909, Oil, Paint and Drug Reporter.


## SPECIALS

Buffalo Vacuum Drum Dryer, 24"x20".

Oliver Continuous Rotary Filter, 8"x8".

Tolhurst Self-Balancing Bottom Discharge Centrifugal, 40".

*Numerous other desirable items in stock. Send us your inquiries. We buy single items to complete plants for cash.*

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UNION Rebuilt Machinery Established 1912

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2—Kent three-roll Roller Mills, 16"x40" horizontal type motor drive.

1—National five-roll Roller Mill, with steel water-chilled Rollers, 16"x40".

1—National three-roll Roller Mill equipped with 16"x40" water cooled chilled steel rollers.

1—Lehman 16"x40" three-roll Roller Mill with water-cooled rollers.

1—Werner & Pfleiderer 2,500 gallon capacity double arm steam-jacketed Mixing Tank.

1—Single action steam jacketed Mixer equipped with two 4" outlets; 900 gal. capacity.

1—Stokes 400 gallon capacity single arm Mixer, direct motor driven.

1—Reed 150 gallon capacity single and double arm Mixer.

1—Day single and double arm 100 gallon capacity jacketed Mixer. Cast-iron jacketed Kettles, 40-50-75 gallon capacity.

**WE PAY CASH FOR SINGLE MACHINES OR ENTIRE PLANTS**

**Union Standard Equipment Co.**
318-322 Lafayette Street
New York 12, N. Y.


### Positions Vacant

CHEMIST—With good background in paint and enamel formulation. Excellent post-war opportunity with large eastern paint company. Reply giving background, age, etc. All correspondence will be kept strictly confidential. BOX 872, Oil, Paint and Drug Reporter.

CHEMIST WANTED. Directed to an ambitious young man who wants an unlimited opportunity and realizes he must work for it. Progressive manufacturer paints, plastics, waxes on war work, planning for post-war: Offers an opportunity that is outstanding. Write us in detail and confidence. BOX 892, Oil, Paint and Drug Reporter.

LABORATORY WORKER, Newark, N. J., permanent: age, education, experience. BOX 898, Oil, Paint and Drug Reporter.

—*Continued on page 64*


**Mills, Dryers, Kilns, Crushers, Air Compressors, Boilers, Engines, Generators, Motors, etc. Liquidating, Machinery, Plant, Supplies, Land and 24 Steel Buildings formerly belonging to VULCANITE PORTLAND CEMENT CO., Alpha, N. J., 3 miles from Easton, Pa.**

**BUCKET ELEVATORS**

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**With—844; 103; 132 chain from 12' to 60' heights.**

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**80 Ton Steel Balls, ½" to 5".**

**Write direct to Plant office. P.O.B. 188, Easton, Pa.**

**HEAT and POWER CO.**
45 Bond Street
NEW YORK 12, N. Y.

## AGITATOR DRIVES

1 - No. 1168 JAMES WORM DRIVE, VERTICAL TYPE REDUCER - 28 to 1 - 5 H. P.

2 - No. E-3 DELAVAL WORM DRIVE, VERTICAL TYPE REDUCER, 70 to 1 - 10 H. P.

1 - No. 1300 JAMES WORM DRIVE, VERTICAL TYPE REDUCER, - 80 to 1 - 72 H. P.

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EMIL A. SCHROTH, Owner
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Phone: Mitchell 2-3536

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NEWARK STEEL DRUM CO.
C. J. COLVILLE, President
LINDEN, N.J.
Phone 2-4466

# Business Wants

—Continued from page 63

## Positions Vacant

CHEMIST WANTED for laboratory familiar with manufacture of white oils, petroleum sulfonates and related products, by old established company, chance for advancement. State age, experience, education, salary and draft status. BOX 891, Oil, Paint and Drug Reporter.

PAINT SALESMAN or salesmanager wanted—To become salesmanager of our central Atlantic area. Are you ready to step into this job? Or capable of being trained? Write details. Replies confidential. BOX 893, Oil, Paint and Drug Reporter.

GLYCERINE MAN—Man experienced in treating, evaporating and distilling of saponification glycerine, desired by manufacturing plant in north Jersey to take charge of its glycerine manufacture. BOX 215, 159 East 34th street, New York 16, N. Y.

# Botanical Drugs

## Seeds

—Continued from page 56

Niger.—Reported slightly higher at 20c. to 21c. per pound.

Poppy.—Indian white seed was considered a strictly nominal article at 15c. per pound.

## Spices

Clove.—Substantial quantities have reached here. The total was 6,770 bags. Spot prices eased to 17¼c. to 17¾c. per pound.

Ginger. — Unbleached Cochin root was lower at 25½c. to 26c. per pound; Calicut, shaded to 24¾c. to 25¼c. Jamaica root unchanged. Growers' price views still considered far too high.

Paprika.—Choice quality Portuguese pepper advanced to 39½c. to 40c. per pound; extra fancy, up to 38¼c. to 38¾c. good, shaded to 36c. to 37c.

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Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.
K. V. BLDG., CHARLESTON, W. VA.

## Positions Vacant

RESEARCH and development chemist wanted by printing ink manufacturer. Permanent position, working on specific projects. Man qualifying should be well versed in the chemistry of vegetable oils and synthetic resins; also, a practical knowledge of the chemistry and working principles of lithography. General knowledge of letterpress printing and color matching would be helpful but not required. Kindly outline in first letter experience and contacts with the above requirements with brief description of present duties and responsibilities; salary requirements; marital and draft status. This is an excellent opportunity for a young man seeking advancement in a new connection. BOX 897, Oil, Paint and Drug Reporter.

MAN WITH chemical background wanted by vegetable oil refiner, located in north Jersey to start as assistant foreman of vegetable oil refining. Excellent opportunity for advancement. BOX 216, 159 East 34th street, New York 16, N. Y.

## Positions Wanted

CHEMIST with linseed oil substitute, latex substitute made from scrap rubber plasticizer for same, specialties on acetate colors line. Capable researcher on synthetic rubber, wants first class connection. BOX 876, Oil, Paint and Drug Reporter.

PRODUCTION MAN with practical education in waxes, polishes, etc., specializing in self-polishing floor waxes with new profitable formulas, seeks permanent position; over draft age. BOX 903, Oil, Paint and Drug Reporter.

INDUSTRIAL CHEMIST, with diversified and practical experience in production, development, supervision and technical service of industrial water treatments, rust preventatives, detergents and chemical specialties; desires responsible connection of liaison capacity between laboratory and sales; age 39. BOX 905, Oil, Paint and Drug Reporter.

ESSENTIAL OIL buyer, 13 years' experience in peppermint and spearmint, wants position starting at once with firm who would be interested in a permanent buyer for Indiana mint district. BOX 907, Oil, Paint and Drug Reporter.

SALESMAN of extensive experience in the drug, chemical, cosmetic, oil, soap field (soap chemist) with an established trade; many active accounts; knowledge of sales psychology merchandising; dependable, adaptable; seeks opportunity. BOX 912, Oil, Paint and Drug Reporter.

## Varnish Fires

COMPLETE OIL and gas burning systems specially adapted for varnish fires. Tangential or central fired settings with carbofrax domes, or diffuser rings and pedestals. Many years' experience in these installations. Otto Penzenstadler, Ridgewood Station. Box 48, Brooklyn, N. Y.

# *Recent Imports*

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ACID, TARTARIC—137 bbls, 33,200 lbs, J C Eno
BALSAM, COPAIBA—29 cs, 2,900 lbs, Dodge & Olcott Co
BARBASCO ROOT—434 bls, National City Bank
BEEF LIVER, PWD—89 trcs, Armour & Co
BLOOD, DR—10,910 bgs, 1,091,000 lbs, National City Bank
BONES—8,008 bgs, 800,800 lbs, Philadelphia National Bank
BRISTLES—29 cs, Stokby & Co
4 cs, Samuel Zeitlin's & Sons
4 cs, F H Cone & Co
CAFFEINE, ANHYD—13 bbls, Dr Pepper Co
CASEIN—3,559 bgs, 472,640 lbs
5,605 bgs, 652,014 lbs, American Cyanamid & Chemical Corp
CASTOR BEANS—8,482 bgs, 1,272,300 lbs, Industrial Trust Co
11,884 bgs, 1,782,600 lbs, Central Hanover Bank & Trust Co
1,700 bgs, 255,000 lbs, Commercial National Bank & Trust Co
4,056 bgs, 608,400 lbs, Spencer Kellogg & Sons
6,425 bgs, 963,750 lbs, Bankers Trust Co
CLOVES—500 bls, 70,000 lbs, C T Wilson & Co
930 bls, 130,200 lbs, Greene Trading Co
500 bls, 70,000 lbs, Otto Gerdau Co
500 bls, 70,000 lbs, Harry Stone
240 bls, 33,600 lbs, Frank Tea & Spice Co
1,550 bls, 217,000 lbs, Geo Uhe Co
550 bls, 77,000 lbs, Dodge & Olcott Co
1,000 bls, 140,000 lbs, D Hecht & Co
500 bls, 70,000 lbs, A G Dunn
500 bls, 70,000 lbs, Cats American Co
COCOA BEANS—10,500 bgs, 2,100,000 lbs, A C Israel Commodity Co
12,500 bgs, 2,500,000 lbs, Wessel, Kulenkampf & Co
4,500 bgs, 900,000 lbs, Cocoa Trading Co
4,500 bgs, 900,000 lbs, General Cocoa Co
3,500 bgs, 700,000 lbs, Rockwood & Co
3,000 bgs, 600,000 lbs, C M Loeb, Rhoades & Co
8,500 bgs, 1,700,000 lbs, Nieschlag & Co
58 bgs, 11,600 lbs, Mpore & McCormick
3,000 bgs, 600,000 lbs, General Foods Corp
1,000 bgs, 200,000 lbs, W R Grace & Co
3,000 bgs, 600,000 lbs, Wood & Selick
2,000 bgs, 400,000 lbs, Willard, Hawes & Co
4,000 bgs, 800,000 lbs, J Aron & Co
5,000 bgs, 1,000,000 lbs, Middleton & Co
2,000 bgs, 400,000 lbs, Scarburgh & Co
2,000 bgs, 400,000 lbs, Wessel, Duval & Co
2,000 bgs, 400,000 lbs, Schwabach & Co
2,000 bgs, 400,000 lbs, Kennedy, Butcher & Co
1,000 bgs, 200,000 lbs, Daarnhouwer & Co
1,000 bgs, 200,000 lbs, Balfour, Guthrie & Co
COCOABUTTER—800 bls, 67,500 lbs, General Cocoa Co
1,091 bls, 147,285 lbs, Golodetz & Co
1,642 bls, 221,670 lbs, Woodward & Dickerson
42 bls, 5,670 lbs, Schwabach & Co
480 bls, 64,800 lbs, Ernest Adler & Co
COTTONSEED MEAL—17,000 bgs, Anderson, Clayton & Co
6,000 bgs, Commodity Credit Co
FIRECLAY—300 bgs, Eagle Pencil Co
GLUE, BONE—200 bgs, T W Dunn & Co
200 bgs, Polish Trading Co
GLUESTOCK—574 bls, H Remis & Co
GUM, COPAL—3,983 bgs, O G Innes Corp
2,000 bgs, Stroock & Wittenberg
900 bgs, Balfour, Guthrie & Co
2 bgs, Industrial Sales Corp
MASARANDULA—10 cs, Chicle Development Co
SORVA—85 cs, Chicle Development Co
100 cs, Herman Weber
HAIR, CAMEL—5 bls
GOAT—27 bls, Brown Bros Harriman Co
41 bls, Corn Exchange Bank & Trust Co
38 bls, National City Bank
46 bls, P L Sherrer & Son
62 bls, L Hess
23 bls, Tradesmen National Bank
50 bls, Hair & Fiber Supply Co
37 bls, Baltic Shipping Co
78 bls, American Meshed Fur Co
50 bls, N Wagman Co
78 bls
CATTLE TAIL—28 cs, Stokby & Co
26 bls, Guaranty Trust Co
29 bls, Eagle Hair Mfg Co
HORSE TAIL—40 bls, American Bristle & Hair Drawing Co
14 bls, American Bristle & Hair Drawing Co
23 bls, Corn Exchange Bank & Trust Co
114 cs, Samuel Zeitlin's & Sons
25 cs, Guaranty Trust Co
19 cs, J Schwarz Bristle Corp
HONEY—71 bbls, Wax & Rosin Products
IPECAC ROOT—14 bgs, 1,581 lbs, S B Penick & Co
MANGROVE BARK—3,000 bgs, Bingham & Co
MEDICINAL PREPS—24 cs, D C Andrews & Co
MENTHOL—8 cs, McKesson & Robbins
50 cs, Chemical Bank & Trust Co
22 cs, Duggett & Ramsdell
MICA—48 cs, United States Commercial Co
10 cs
MINERAL SUBSTANCE—344 dms, African Metal Corp
MURU MURU KERNELS—334 bgs, 33,400 lbs, First National Bank
OIL, CASTOR—519 dms, Central Hanover Bank & Trust Co
500 dms, First National Bank
EUCALYPTUS—4 dms, Harris Franklin
OITICICA—127 dms, Irving Trust Co
391 dms, Brazil Oiticica, Inc
PALM—1,150 dms, Balfour, Guthrie & Co
PATAUA—31 dms, Leghorn Trading Co
PEPPERMINT—32 cs, McKesson & Robbins
PETITGRAIN—8 dms, P R Dreyer
5 dms, van Amerigen-Haebler Co
SASSAFRAS—33 dms, S Stern Stiner & Co
22 dms, J Berlage & Co
27 dms, Dodge & Olcott Co
SHARK LIVER—12 pkgs, J Berlage Co
PILI PILI—255 bgs, Balfour, Guthrie & Co
RESIN, VEGETABLE—750 cs, Otis Astoria Corp
339 cs, L W Dumont Co
100 cs, E Lester Kittle
TANKAGE—2,240 bgs, 224,000 lbs, Swift & Co
10,408 bgs, 1,046,800 lbs, National City Bank
2,012 bgs, 201,200 lbs, Armour & Co
10,140 bgs, 1,014,000 lbs, Tupman, Thurlow & Co
LIVER & GLANDULAR—325 bgs, 52,500 lbs, Swift & Co
TAPIOCA FLOUR—1,608 bgs, L Oppenheimer & Co
TIMBO, PWD—32 bgs, Central Hanover Bank & Trust Co
TONKA BEANS—48 bbls, 15,024 lbs, Irving Trust Co
24 bbls, 7,512 lbs, Guaranty Trust Co
24 bbls, 7,512 lbs, Simmonds & Grey
24 bbls, 7,512 lbs, Kennedy, Butcher & Co
WAX, BEES—70 bgs, 11,200 lbs, J H Rossbach & Bros
210 bgs, 33,600 lbs, Smith & Nichols
92 bgs, 14,720 lbs, Wax & Rosin Products
CARNAUBA—74 bgs, 12,210 lbs, Wm M Allison & Co
108 bgs, 17,870 lbs, American Cyanamid & Chemical Co
68 bgs, 11,220 lbs, Innis, Speiden & Co
68 bgs, 11,220 lbs, Wessel, Duval & Co
561 bgs, 100,414 lbs, Wax & Rosin Products
OURICURY—313 bgs, 62,600 lbs, Innis, Speiden & Co
110 bgs, 22,000 lbs, M Argueso & Co
221 bgs, 44,200 lbs, Strohmeyer & Arpe Co
336 bgs, 67,200 lbs, Wessel, Duval & Co
222 bgs, 44,400 lbs, Strahl & Pitsch
56 bgs, 11,200 lbs, Wm M Allison & Co
200 bgs, 40,000 lbs, Strohmeyer & Arpe Co

VANILLA BEANS
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# Fertilizer Materials

—Continued from page 61

## Markets at Other Centers

Atlanta, March 10.—Demand for mixed fertilizers exceedingly heavy. Problem is to fill orders under labor shortage and transportation difficulties.

Baltimore, March 10.—Trading quiet, although interest gaining with the approach of planting season. Market quotations firm.

Chicago, March 10.—Seasonal buying of fertilizer materials. Firm markets for most products. Bone, blood and tankage remained in good demand at former prices.

Los Angeles, March 10.—Demand broadening from citrus and other agricultural regions. Animal materials continue short.

# Highberger Awarded Purple Heart

Lieut. William W. Highberger, of the Chemical Warfare Service, U. S. Army, reported missing in action in the European theatre a year ago and now listed as lost in action, has been posthumously awarded the Order of the Purple Heart "for military merit and for wounds received in action." The decoration has been presented to his widow, Mrs. Dorothy F. Highberger.

Lieut. Highberger, who was thirty-seven years of age, received his commission in September, 1942, while he was associated with the Mathieson Alkali Works. He underwent special training in chemical warfare at the Edgewood (Md.) Arsenal, and shortly thereafter was sent overseas in an administrative capacity, although the nature of his actual duties has never been revealed. He joined the Mathieson organization in March, 1932, as a sales representative in the New York area.

## Lechner Locates in Chicago

Carl A. Lechner, manufacturers' agent, who is a representative for the Advance Solvents & Chemical Corporation, has moved his office from Wilmette, Ill., to 589 East Illinois street, Chicago.

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# Index to Advertisements


A

Alabama Charcoal Company..... 38
Alexander, Jerome ..... 60
Allied Asphalt & Mineral Corp..... 42
Amcon Trading Co. ..... 47
American Agricultural Chemical Co.. 1
American British Chem. Supplies, Inc. 35
American Cholesterol Products, Inc.. 52
American Potash & Chemical Corp.. 50
American Zinc Sales Co. ..... 44
Ansul Chemical Co. ..... 38
Association of Consulting Chemists & Chemical Engineers, Inc. ..... 60
Atlantic Coast Fisheries Co. ..... 52
Atlas Powder Co. ..... 50
Aviquipo, New York City ..... 64

B

Baker, J. T., Chemical Co.....1, 48
Bancroft Laboratories ..... 60
Barber Asphalt Corp. ..... 43
Barium & Chemicals, Inc. ..... 35
Barium Reduction Corp. ..... 35
Barrett Division .....40, 61
Bay Chemical Co. ..... 34
Bemis Bro. Bag Co. ..... 26
Biological Raw Products Co. ..... 52
Blair Laboratory ..... 60
Bonewitz, P. W., Co. ..... 38
Brill Equipment Corp. ..... 63
Brode Corp., The ..... 47
Bureau of Chemistry ..... 60

C

Calco Chemical Division ..... 21
Calif. Fruit Growers Exchange ..... 22
Carbide & Carbon Chemicals Corp... 2
Centflor Co., Inc. ..... 58
Ceramic Color & Chemical Mfg. Co... 38
Chemical Sales Corp. ..... 66
Chemical Solvents, C. P., Inc..... 66
Chemical Surplus & Salvage Co..... 38
Church & Dwight Co., Inc..... 35
Coleman & Bell Co..... 50
Colton, Arthur, & Co. ..... 45
Commercial Solvents Corp. ..... 6
Consolidated Products Co., Inc..... 62
Continental Can Co. ..... 51
Cortizas, M., & Co. ..... 64
Crosby Naval Stores, Inc. ..... 47
Croton Chemical Corp. ..... 36
Crown Can Co. ..... 19
Cummins & Grant ..... 60

D

Darling & Co. ..... 47
Day Chemical Co..... 60
Dickerson Company ..... 61
Diehl, Wm., & Co. ..... 46
Distillation Products, Inc. ..... 50
Distributing & Trading Co. ..... 47
Dow Chemical Co. ..... 15
Dupont de Nemours, E. I., & Co., Inc. .....14, 34

E

Edcan Laboratories ..... 53
Edwal Laboratories ..... 60
Ehrlich, J. ..... 60
Ellis-Foster Co. ..... 60
Emsco Equipment Co. ..... 63
Evans, Ralph L., Associates ..... 60

F

Faesy & Besthoff, Inc. ..... 66
Fairmount Chemical Co., Inc. ..... 39
Fallek Products Co. ..... 52
Felton Chemical Co., Inc. ..... 58
Ferro Drier & Chemical Co. ..... 45
Fezandie & Sperrle ..... 39
Fine Organics, Inc. ..... 66
First Machinery Corp. ..... 62
Florasynth Laboratories, Inc. ..... 58
Food Research Laboratories, Inc. ... 60
Franks Chemical Products Co. ..... 43
Fries & Fries, Inc. ..... 52
Fritzsche Bros., Inc. ..... 57
Fulton Bag & Cotton Mills ..... 65

G

Gartenberg, H., & Co., Inc. ..... 39
General American Transportation Corp. ..... 37
General Chemical Co. ..... 16
General Drug Co. ..... 23
General Magnesite & Magnesia Co.... 34
Golwynne Chemicals Corp. ..... 13
Gray Industrial Laboratories ..... 60
Gray, William S., & Co. ..... 1
Greeff, R. W., & Co. ..... 42
Gross, A., & Co. ..... 46
Gruman, J. B., Co. ..... 64

H

Hallmark Laboratories ..... 60
Hallowell, Horace J. ..... 60
Hardesty, W. C., Co., Inc. ..... 46
Heat & Power Co. ..... 63
Hercules Powder Co., Inc. ..... 25
Heyden Chemical Corp. ..... 49
Hopkins, J. L., & Co..... 55
Highland Milling Co. ..... 64
Hunt Chemical Works, Inc. ..... 36
Hutchinson, D. W., & Co. ..... 57

I

Imperial Paper & Color Corp..... 43
Independent Mfg. Co. ..... 46
Inland Alkaloid Company ..... 65
Innis Speiden & Co. ..... 27
Interboro Chemical Co. ..... 58

K

Kelco Company ..... 55
Kentucky Color & Chemical Co. .... 45
Knight, B. H. ..... 60
Koppers Company ..... 41
Krumbhaar Chemicals, Inc. ..... 43

L

Lamon Chemical Corp. ..... 52
Laning, E. M., Co. ..... 60
Laucks Laboratories ..... 60
La Wall & Harrisson ..... 60
Leberco Laboratories ..... 60
Leghorn Trading Co., Inc. ..... 50
Lucidol Corp. ..... 50
Lueders, George, & Co. ..... 57

M

Maas, A. R., Chemical Co. ..... 36
Machinery & Equipment Co. ..... 63
Magnus, Mabee & Reynard, Inc.....8, 57
Malmstrom, N. I., & Co. ..... 20
Marine Magnesium Products Corp. .. 53
Mathieson Alkali Works, Inc. ..... 28
Mefford Chemical Co. ..... 52
Michigan Chemical Corp. ..... 38
Molnar Laboratories ..... 60
Munch Laboratory ..... 60
Mutual Chemical Co. of America..... 39

N

National Rosin Oil & Size Co. ..... 43
Natural Products Refining Co. ..... 39
Neuberg, William D., Co. ..... 11
Neville Co. ..... 43
Newark Steel Drum Co. ..... 63
Niacet Chemicals Corp. ..... 38
Niagara Chlorine Products Co. ..... 59
Nuodex Products Co., Inc. ..... 59

O

Old Dutch Mustard Co. ..... 64
Orthmann Laboratories, Inc. ..... 60

P

Pacific Alkali Co. ..... 52
Pacific Coast Borax Co. ..... 1
Parsons, M. W. ..... 52
Payne, Avery F., Co., Inc. ..... 38
Peek & Velsor, Inc. ..... 56
Penick, S. B., & Co. ..... 54
Pennsylvania Refining Corp. ..... 59
Pennsylvania Salt Mfg. Co. ..... 36
Pfizer, Chas., & Co., Inc. ..... 33
Phelps-Dodge Refining Corp. ..... 34
Philadelphia Quartz Co. ..... 38
Pittsberg Chemical Co. ..... 35
Plastic Engineering ..... 60
Polachek, Z. H. ..... 60
Potash Co. of America ..... 61
Prentiss, R. J., & Co. ..... 56
Prior Chemical Corp. ..... 1
Procter & Gamble .....46, 50
Purdy, W. S., Co., Inc. ..... 60

R

Raisch, John E., & Co. ..... 60
Read, Chas. L., Co. ..... 38
Reichard-Coulston, Inc. ..... 43
Robert & Company ..... 52
Rosenthal, H. H., Co. ..... 53
Rufert Chemical Co. ..... 13

S

Sadtler, Samuel P., & Son, Inc..... 60
Schepp Laboratories ..... 60
Schimmel & Co., Inc. ..... 58
Schwab Brothers Corp. ..... 43
Schwarz Laboratories, Inc. ..... 60
Seil, Putt & Rusby, Inc. ..... 60
Seydel Chemical Co. ..... 52
Sharples Chemicals, Inc. ..... 1
Sherwood Refining Co. ..... 59
Silmo Chemical Corp. ..... 52
Smith Chemical & Color Co. ..... 56
Snell, Foster D., Inc. ..... 60
Solvay Sales Corp. ..... 29
Standard Alcohol Co. ..... 45
Standard Specialty & Tube Co. ..... 53
Standard Synthetics, Inc. ..... 57
Standard Ultramarine Co. ..... 45
Stauffer Chemical Co..... 36
Stein Equipment Co. ..... 63
Stillman & Van Siclen, Inc. ..... 60
Stillwell & Gladding Co. ..... 60

T

Tennessee Products Corp. ..... 36
Thornton, F. C., Inc. ..... 45
Thurston & Braidich ..... 64
Titanium Pigment Co. ..... 30
Todd, A. M., Co. ..... 58
Turner, Joseph, & Co. ..... 52

U

Union Bag & Paper Co. ..... 47
Union Bay State Chemical Co. ..... 12
Union Carbide & Carbon Corp. .... 2
Union Standard Equipment Co. ..... 63
U. S. Industrial Chemicals, Inc. ... 17, 18
United States Potash Co. ..... 61

V

van Ameringen-Haebler, Inc. ..... 58
Victor Chemical Works ..... 36
Viking Distributing Co. ..... 64
Virginia Smelting Co. ..... 38
Vitamins, Inc. ..... 53

W

Warwick Wax Co. ..... 31
Waterman, Herbert ..... 60
Weiss, John M., & Co. ..... 60
Wiley & Co. ..... 60
Will & Baumer Candle Co. ..... 47
Wilson-Martin Division ..... 46

Z

Zink & Triest Co. ..... 64
Zinsser & Co., Inc. ..... 36



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